APLEX
SECURITY SOLUTIONS

- ➢ Conectividad e Internet por Fibra Óptica, Inalámbrico y Cablemodem
- ➢ Soluciones de Seguridad, Protección y Control de Acceso
- ➢ Gestión y Localización de Activos vía Internet/GPS
- ➢ Instalación de Puertas e inversores, Redes locales.

DOCUMENTACIÓN

TECNICA

OFERTA TECNICA APLEX SECURITY

ADQUISICIÓN DE EQUIPOS Y MATERIALES DE VIDEOVIGILANCIA
Ref: JCE-CCC-LPN-2025-0008

RESUMEN EJECUTIVO

La presente propuesta contempla el suministro de grabadores NVR de alta capacidad con inteligencia artificial, cámaras IP de diferentes tecnologías (bullet, domo 4K y fisheye), así como switches PoE administrables, todos cumpliendo con los requerimientos técnicos exigidos en el pliego de condiciones, garantizando una solución integral de videovigilancia avanzada, escalable y de alto desempeño para la Junta Central Electoral.

1. NVR – 32 CANALES

Cantidad: 72 unidades
Modelo ofertado: Hikvision iDS-9632NXI-M8/X
Unidad de medida: Unidad

Descripción:

Grabador de video en red de 32 canales con inteligencia artificial DeepinMind para reconocimiento facial, análisis avanzado de video, soporte 8K, alto desempeño en decodificación y múltiples salidas de video.

Especificaciones técnicas completas:

- 32 canales IP hasta 32 MP

- 8K DeepinMind puertos virtuales

- Análisis inteligente:

    o IA por NVR: reconocimiento facial, protección perimetral, estructuralización de video, AcuSearch

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- o IA por cámara: reconocimiento facial, protección perimetral, estructuralización de video, AcuSearch, detección de movimiento 2.0, ANPR, conteo de personas, VCA
- Reconocimiento facial: detección y análisis
- Comparación de imágenes de rostros
- Captura de rostros humanos
- Búsqueda de imágenes de rostros
- Biblioteca de imágenes de rostros
- Hasta 16 bibliotecas de rostros
- Hasta 100,000 imágenes en biblioteca de lista
- Hasta 10,000 imágenes en biblioteca de desconocidos
- Hasta 5,000,000 imágenes de rostros capturados
- Comparación de imágenes: 32 canales (24 por motor)
- Velocidad de comparación: 48 imágenes por segundo

Video y audio:

- Entrada IP: 32 canales hasta 32 MP
- HDMI 1: hasta 8K (7680×4320) / 30Hz
- HDMI 2: hasta 4K (3840×2160) / 60Hz
- Salida simultánea HDMI1/VGA1
- CVBS: 1 canal BNC
- Salida de audio: 1 canal RCA

Decodificación:

- H.265 / H.265+ / H.264 / H.264+
- 2ch@32MP, 2ch@24MP, 4ch@16MP, 8ch@8MP, 16ch@4MP, 32ch@2MP

Resolución de grabación:
32MP / 24MP / 12MP / 8MP / 6MP / 5MP / 4MP / 3MP

Red:

- Conexión remota: 128 usuarios

- Protocolos: TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SMTP, SNMP, NFS, iSCSI, UPnP, HTTP, HTTPS, ONVIF, ISAPI

Interfaces:

- 2 x RJ45 Gigabit
- 4 x SATA para discos 3.5"
- Capacidad por HDD: hasta 16 TB
- USB: 2 x USB 2.0 frontal, 1 x USB 3.0 trasero
- Alarmas: 16 entradas / 4 salidas

Certificaciones:
CE, FCC, IC, CB, KC, UL, RoHS, Reach, WEEE, RCM, UKCA, LOA, BIS
FCC Part 15 Subpart B, ANSI C63.4-2014

2. NVR – 16 CANALES

Cantidad: 84 unidades
Modelo ofertado: Hikvision iDS-7716NXI-M4/X
Unidad de medida: Unidad

Descripción:

Grabador NVR de 16 canales con analítica avanzada, reconocimiento facial, múltiples salidas HDMI 8K y alto rendimiento en decodificación.

Especificaciones completas:

- 16 canales IP hasta 32 MP
- 8K DeepinMind
- Inteligencia Artificial por NVR y por cámara
- Reconocimiento facial
- Comparación, búsqueda, captura y biblioteca de rostros

- Hasta 16 bibliotecas

- 100,000 rostros en lista

- 10,000 desconocidos

- 5,000,000 capturas

- Comparación en 16 canales

- Velocidad de comparación: 32 imágenes/segundo

Video:

- HDMI 1 hasta 8K

- HDMI 2 hasta 4K

- Salida simultánea HDMI/VGA

- CVBS BNC

- Audio RCA

Compresión:
H.265 / H.265+ / H.264 / H.264+

Decodificación:
2ch@32MP / 2ch@24MP / 4ch@16MP / 8ch@8MP / 16ch@4MP

Resoluciones de grabación:
32MP / 24MP / 12MP / 8MP / 6MP / 5MP / 4MP / 3MP

Red:

- 128 usuarios remotos

- Protocolos completos TCP/IP, IPv4, IPv6, ONVIF, ISAPI

Almacenamiento:

- 4 puertos SATA

- Hasta 16 TB por disco

USB:

- 2 USB 2.0 frontal

- 1 USB 3.0 trasero

Alarma:
16 entradas / 4 salidas

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Certificaciones:

CE, FCC, UL, RoHS, Reach, WEEE, RCM, UKCA, BIS, ANSI C63.4

4. CÁMARA BULLET IP 4MP

Cantidad: 504 unidades
Modelo: DS-2CD3043G2-IU
Unidad de medida: Unidad

Descripción breve:

Cámara tipo bullet IP de 4MP con tecnología AcuSense, visión nocturna de hasta 40 metros, detección inteligente y alta sensibilidad en condiciones de baja iluminación.

Especificaciones completas:

- Tipo: Bullet IP

- Resolución: 4 MP

- Sensor: 1/3" Progressive Scan CMOS

- Iluminación mínima:

    o Color: 0.003 Lux

    o B/N: 0 Lux con IR

- Obturación: 1/3 s a 1/100,000 s

- IR Cut Filter Día/Noche

- Ajuste angular: Pan 360°, Tilt 90°, Rotate 360°

- Lente fijo: 2.8 / 4 / 6 mm

- FOV 2.8 mm: H 103°, V 55°, D 123°

- Apertura: F1.6

- Montura: M12

- Iluminador IR: Hasta 40 m

Video:

- Main stream hasta 2688×1520

- Sub-stream 640×360

- Compresión: H.265 / H.265+ / H.264 / H.264+ / MJPEG

- Bitrate: 32 Kbps a 8 Mbps

- SVC H.264 y H.265

Red y protocolos completos, WDR 120 dB, SNR ≥ 52 dB, detecciones inteligentes de cruce de línea, intrusión y regiones.

5. CÁMARA DOMO 4K DEEPINVIEW

Cantidad: 187 unidades
Modelo: iDS-2CD7186G2-IZ(H)S(Y)
Unidad de medida: Unidad

Descripción breve:

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Cámara domo 4K con lente varifocal motorizado, reconocimiento facial, WDR 140 dB, funciones avanzadas de analítica y alarmas integradas.

Especificaciones completas (incluidas todas):

- Sensor: 1/1.8" CMOS

- Resolución: 3840×2160

- Iluminación mínima: 0.002 Lux color

- Obturación: 1 a 1/100,000 s

- IR Cut Filter

- Lente: 2.8 a 12 mm y 8 a 32 mm

- Enfoque: Auto, semi-auto y manual

- Compresión: H.265+/H.265/H.264+/H.264

- Bitrate: 32 Kbps a 16 Mbps

- Ethernet: RJ45 10/100/1000

- Alarmas: 2 entradas / 2 salidas

- Salida 12 VDC

- Detección de movimiento, sabotaje, errores, vibración

- Detección de cambios de escena, audio, desenfoque

6. CÁMARA FISHEYE 6 MP

Cantidad: 192 unidades
Modelo: DS-2CD6365G1-IVS
Unidad de medida: Unidad

Descripción breve:

Cámara fisheye 360° con DeepinView, conteo de personas, mapas de calor, múltiples modos de visualización y micrófonos integrados.

Especificaciones completas:

- Sensor 1/1.8" CMOS
- Resolución: 2560×2560
- Lente: 1.16 mm
- FOV: 180° horizontal y vertical
- Apertura: F2.25
- Compresión: H.265+/H.265/H.264+/H.264
- Bitrate: hasta 16 Mbps
- 20 modos de visualización
- WDR 120 dB
- Micrófonos integrados (4)
- Alarmas 2/2
- Conteo de personas
- Gestión de colas
- Mapa de calor

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7. SWITCH PoE

Cantidad: 84 unidades
Modelo: DS-3E1520HP-SI-16P2T2F
Unidad de medida: Unidad

Descripción breve:

Switch PoE administrable de alto rendimiento con 16 puertos PoE, enlaces SFP de fibra óptica, gran capacidad de conmutación y memoria interna robusta.

Especificaciones completas:

- 16 puertos Gigabit PoE
- 2 puertos Gigabit RJ45
- 2 puertos de fibra óptica Gigabit
- Tabla MAC: 8K
- Capacidad de conmutación: 56 Gbps
- Caché interno: 4.1 Mbits
- Fuente de alimentación PoE
- Estándar PoE: IEEE 802.3af / IEEE 802.3at
- PoE: puertos 1 a 16.
- Máx. puerto de alimentación: 30 W.
- Presupuesto de energía PoE: 225 vatios.
- Función de software: Vigilancia de PoE, VLAN, aislamiento del puerto, largo
- alcance, calidad de servicio y prevención de bucles.
- Largo alcance puertos 1 a 16: hasta 300 m.
- Aislamiento de puertos 1 a 16: modo de aislamiento de puertos para mejorar la seguridad de la red.
- Admite agregación de enlaces estáticos.
- VLAN: soporta 802.1Q.
- ID de VLAN configurable: desde 1 a 4094.
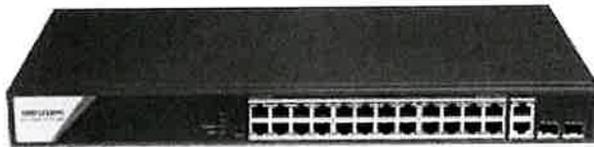- Soporte troncal y modo de puerto de acceso.

- Soporte máximo: 4094 VLAN.

8. SWITCH 24 PUERTOS PoE

Cantidad: 24 unidades
Modelo ofertado: DS-3E1528HP-SI-24P2T2F
Unidad de medida: Unidad

Especificaciones técnicas completas:

- 24 × puerto Gigabit PoE.

- 2 × puerto Gigabit RJ45.

- 2 × puerto de fibra óptica Gigabit.

- Tabla de direcciones MAC 8K.

- Capacidad de conmutación 56 Gbps o más.

- Caché interno 4.1 Mbits o más.

- Fuente de alimentación PoE.

- Estándar PoE IEEE 802.3af, IEEE 802.3at.

- PoE: puertos 1 a 24.

- Máx. puerto de alimentación: 30W.

- Presupuesto de energía PoE: 370 vatios.

- Función de software: Vigilancia de PoE, VLAN, aislamiento del puerto, largo alcance, calidad de servicio y prevención de bucles.

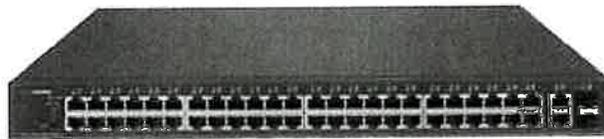- Largo alcance puertos 1 a 24: hasta 300 m.

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- Aislamiento de puertos 1 a 24: modo de aislamiento de puertos para mejorar la seguridad de la red.

- Admita agregación de enlaces estáticos.

- VLAN Soporta 802.1Q.

- ID de VLAN configurable desde 1-4094.

- Soporte troncal, modo de puerto de acceso.

- Soporte máx. 4094 VLAN.

9. SWITCH 48 PUERTOS PoE

Cantidad: 48 unidades
Modelo ofertado: DS-3E1552P-SI
Unidad de medida: Unidad

Especificaciones técnicas completas:

- 48 × puerto Gigabit PoE.

- 2 × puerto Gigabit RJ45.

- 2 × puerto de fibra óptica Gigabit.

- Tabla de direcciones MAC 16K.

- Capacidad de conmutación 104 Gbps o más.

- Caché interno 12 Mbits o más.

- Fuente de alimentación PoE.

- Estándar PoE IEEE 802.3af, IEEE 802.3at.

- PoE: puertos 1 a 48.

- Máx. puerto de alimentación: 30W.

- Presupuesto de energía PoE: 470 vatios.

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- Función de software: Vigilancia de PoE, VLAN, aislamiento del puerto, largo alcance, calidad de servicio y prevención de bucles.

- Largo alcance puertos 1 a 48: hasta 300 m.

- Aislamiento de puertos 1 a 48.

- Admita agregación de enlaces estáticos.

- VLAN Soporta 802.1Q.

- ID de VLAN configurable desde 1-4094.

- Soporte troncal, modo de puerto de acceso.

- Soporte máx. 4094 VLAN.

10. GABINETE RACK

Cantidad: 144 unidades
Modelo ofertado: Linkbasic WCC09-655
Unidad de medida: Unidad

- De 9U

- Ancho 600 mm (23.5")

- Profundidad externa 600 mm (23.5")

- Material: Estructura acero laminado en frío tratado

- Puerta abatible de vidrio de 4 mm, opaco

- De pared

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12. UPS

Cantidad: 156 unidades
Modelo ofertado: APC SMC1500-2UC
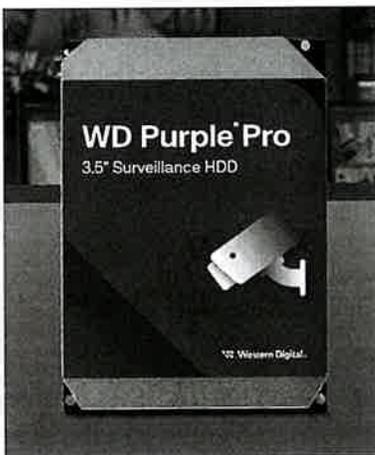**Unidad de medida:** Unidad

- Smart

- 1500 VA

- 120 V

- 2U rack montable

- Display LCD

- 6 salidas

13. DISCOS DUROS

Cantidad: 312 unidades
Modelo ofertado: WD8002PURP – WD Purple Pro 8TB
Unidad de medida: Unidad

- Conector SATA

- 8 TB

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- Formato 3.5"

- 5640 RPM

- Caché 128 MB

- Para videovigilancia

14. CABLE UTP

Cantidad: 240 rollos (1,000')
Modelo ofertado: CLA04M-UC6
Unidad de medida: Unidad

- Categoría 6

- AWG 23

- 4 pares / BL

- 100 % cobre

- Chaqueta CM

- 250 MHz

- Color azul

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RNC: 1-30-83336-2.   **RPE**: 35152

Santiago de los Caballeros, República Dominicana
8 DE DICIEMBRE DE 2025

Asunto: Carta VIGENCIA. Proceso Ref. **JCE-CCC-LPN-2025-0008.**

Señores:
Comité de Compras y Contrataciones
Junta Central Electoral

Referencia: JCE-CCC-LPN-2025-0008.

El suscribiente, EMMANUEL GUILLÉN, mayor de edad, titular y portador de la cédula de Identidad y electoral No.031-0412757-0, dominicano y residente en esta ciudad de Santiago de los Caballeros, República Dominicana, actuando en nombre y representación de **APLEX SECURITY SRL**, RNC: 1-30-83336-2, de conformidad con lo previsto en el Pliego de Especificaciones Técnicas del Procedimiento JCE-CCC-LPN-2025-0008.

Notas y observaciones:

1) Equipos nuevos (no remanufacturados).

Certifico y doy garantía de que los bienes ofertados no son usados, remanufacturados, reparados, que no están al final de su vida útil ni al final de su ciclo de venta, así como el aval que todos los bienes cuentan con la garantía solicitada. Según se requiere en el pliego de especificaciones y enmiendas de la presente propuesta.

Dado en la ciudad de Santiago de los Caballeros, a los 8 días del mes de diciembre del año dos mil veinticinco (2025).

Emmanuel Guillén
Gerente General y Representante Legal
Aplex Security, Srl.

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RNC: 1-30-83336-2.

RPE: 35152

Santiago de los Caballeros, República Dominicana
8 DE DICIEMBRE DE 2025

Asunto: Carta CONDICIONES DE PAGO. Proceso Ref. **JCE-CCC-LPN-2025-0008.**

Señores:
Comité de Compras y Contrataciones
Junta Central Electoral

Referencia: JCE-CCC-LPN-2025-0008.

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2.4-Condiciones de Pago

Cada oferente debe especificar las condiciones de pago en su propuesta. La Junta Central Electoral no realizará pago total hasta haber recibido la totalidad de lo adjudicado; sin embargo, está en disposición, <u>si así lo requiriere el oferente en su propuesta</u>, de otorgar un anticipo no mayor del 20% del monto presupuestado y adjudicado.

Nuestra propuesta de pago, es un 20% de Anticipo y un 80% contra entrega conforme.

Dado en la ciudad de Santiago de los Caballeros, a los 8 días del mes de diciembre del año dos mil veinticinco (2025).

Emmanuel Guillén
Gerente General y Representante Legal
Aplex Security, Srl.

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Conectividad e Internet por Fibra Óptica, Inalámbrico y Cablemodem
Soluciones de Seguridad, Protección y Control de Acceso
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RNC: 1-30-83336-2.   **RPE**: 35152

Santiago de los Caballeros, República Dominicana
8 DE DICIEMBRE DE 2025

Asunto: Carta TIEMPO DE ENTREGA. Proceso Ref. **JCE-CCC-LPN-2025-0008.**

Señores:
Comité de Compras y Contrataciones
Junta Central Electoral

Referencia: JCE-CCC-LPN-2025-0008.

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Certificamos que incluimos en nuestra propuesta, el tiempo de entrega para los bienes ofertados, acorde el pliego y documentación del proceso en referencia.

· Tiempo de entrega.

Proponemos la entrega de los bienes, en caso de ser adjudicados, para 60 días, partir de la recepción de la orden de compras y del anticipo.

Dado en la ciudad de Santiago de los Caballeros, a los 8 días del mes de diciembre del año dos mil veinticinco (2025).

Emmanuel Guillén
Gerente General y Representante Legal
Aplex Security, Srl.

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Conectividad e Internet por Fibra Óptica, Inalámbrico y Cablemoden
Soluciones de Seguridad, Protección y Control de Acceso
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RNC: 1-30-83336-2.

RPE: 35152

Santiago de los Caballeros, República Dominicana
08 de DICIEMBRE de 2025

Asunto: Carta Tiempo y Condiciones de Garantía. Proceso Ref. **JCE-CCC-LPN-2025-0008.**

Señores:
Comité de Compras y Contrataciones
Junta Central Electoral

Referencia: JCE-CCC-LPN-2025-0008.

El suscribiente, EMMANUEL GUILLÉN, mayor de edad, titular y portador de la cédula de Identidad y electoral No.031-0412757-0, dominicano y residente en esta ciudad de Santiago de los Caballeros, República Dominicana, actuando en nombre y representación de **APLEX SECURITY SRL**, RNC: 1-30-83336-2, de conformidad con lo previsto en el Pliego de Especificaciones Técnicas del Procedimiento Comparación de Precios. Adquisición de equipos y materiales de videovigilancia. JCE-CCC-LPN-2025-0008.

Certificamos que incluimos en nuestra propuesta, el tiempo y condiciones de garantía, acorde el pliego y documentación del proceso en referencia.

· Tiempo y condiciones de garantía de lo ofertado.

Incluimos una garantía de 1 año acorde política de RMA ANEXA

Ver anexos y cartas de Fabricantes.

Dado en la ciudad de Santiago de los Caballeros, a los 8 días del mes de DICIEMBRE del año dos mil veinticinco (2025).

Emmanuel Guillén
Gerente General y Representante Legal
Aplex Security, Srl.

PROCESO RMA

Con el objetivo de ofrecer un servicio de calidad a nuestros clientes, a continuación, se detallan las políticas de garantía y proceso de RMA para los equipos comercializados por **APLEX SECURITY S.R.L.**

APLEX SECURITY, garantiza al cliente que los productos comercializados por la empresa están libres de defectos de fabricación y defectos de mano de obra por el período indicado para cada producto, bajo las siguientes consideraciones:

1. **APLEX SECURITY** sea notificado durante el período de retorno de equipo de cualquier producto defectuoso.
2. La garantía cubre aquellos defectos que surgiesen como resultado del uso normal del producto y no por aquellos defectos que resulten por ser utilizado en condiciones distintas de las normales, o no hubiese sido operado de acuerdo con el manual de uso del producto. Además, que no haya sido dañado, mal instalado o empleado, o se haya dado mantenimiento incorrecto por personal que no sea de **APLEX SECURITY**, y/o no se haya reparado durante el período de garantía por parte del cliente.
3. Que tal defecto no haya sido causado por desgaste ordinario ó provocado.
4. Que el defecto no sea el resultado de altas de voltaje o cortos eléctricos, de relámpagos, de daños por agua o inundaciones, de fuego, de explosión, de terremotos, de tornados, de actos de agresión o guerra, o del algún fenómeno fortuito similar.
5. Que los accesorios o consumibles empleados con el equipo sean los aprobados por la empresa **APLEX SECURITY**.

PERÍODO DE GARANTÍA

El Período de Garantía se considera, a partir de la fecha de la aceptación de la entrega de los bienes/equipos adjudicados, hasta el tiempo indicado (**Para la Licitación Procedimiento Comparación de Precios. Adquisición de equipos y materiales de videovigilancia. JCE-CCC-LPN-2025-0008.** *El período de garantía aplica acorde al Plan de Garantía presentado, Cartas de fabricantes, especificaciones del pliego y adendas de dicha licitación.*

El cliente podrá reclamar la garantía dentro del período indicado, proporcionando la documentación correspondiente de su compra (en caso de aplicar) y realizando el trámite de Retorno de Mercancía (RMA).

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- Equipos, Accesorios y Suministros Médicos

ENVÍO DE LOS EQUIPOS

Toda garantía se considera "Depot Repair" que significa que hacemos válidas las garantías de los equipos en nuestras oficinas de Santiago de los Caballeros. **Los gastos, logística de transporte, fletes y envíos hacia al fabricante y retorno hacia la oficina de Aplex, serán cubiertos por APLEX SECURITY S.R.L; así como también Aplex se responsabiliza a recoger en la entidad contratante, los equipos que requieran RMA y se compromete a su retorno cuando se complete el proceso, cubriendo los gastos incurridos para tales fines, siempre y cuando los equipos se encuentren cubiertos por la garantía expresada en el período y plan de garantía incluido en la oferta de Aplex.**

Para este proceso de licitación, el proceso de RMA aplica, 100 %, acorde los requerimientos del pliego de condiciones específicas y sus adendas

PROCEDIMIENTO DE RETORNO DE MERCANCÍA

El procedimiento completo se define en los siguientes pasos a continuación descritos.

A. DETERMINACIÓN DE UN RMA.

Un # RMA se obtiene por motivo de las siguientes circunstancias y a juicio del Ingeniero de Servicios que atiende el caso.

- Envío para Servicio en Garantía.

- Envío para Servicio Cobrable.

- Devolución de equipo o mercancía.

Por lo que:

1. El cliente entrará en contacto con un Ingeniero de Servicios para determinar la justificación de revisión del equipo o mercancía.

2. Una vez autorizado el envío del equipo o mercancía a **APLEX SECURITY**, el Ingeniero de Servicios le proporcionará su número de caso y APLEX procederá a tramitar la búsqueda del equipo a **la sede de la entidad contratante.**

a. Se proporciona un número RMA por equipo o mercancía.

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Instalación de Puertas e inversores, Redes locales.
Equipos, Accesorios y Suministros Médicos

b. Es posible enviar varios equipos o mercancías en una misma caja, si el espacio y el cuidado de cada uno lo permite. (Esto aplica para casos en los que Aplex realiza la búsqueda del equipo directamente a la localidad del cliente).

c. En el exterior de la caja o empaque es necesario listar TODOS los números RMA que se encuentran dentro de la caja o empaque. En caso de que los números RMA no se encuentren impresos en el exterior de la caja, no será posible identificar el motivo del arribo del paquete a nuestras oficinas, con lo que se generará un considerable atraso en el servicio de su equipo.

B. GENERACIÓN DEL NÚMERO RMA

Una vez autorizado recoger el equipo y traer a nuestras instalaciones ó recibido el equipo por parte del cliente, el Ingeniero de Servicios procederá en ese momento a generar el Número RMA que será proporcionado al cliente (e-mail, teléfono), para seguimiento de la orden.

Es necesario que previo a la asignación del # RMA se obtengan los datos de cada equipo referentes a: Modelo, Número de Serie, Descripción de la Falla y número de Factura de Compra y Fecha de Compra.

C. DEVOLUCION DEL EQUIPO.

Servicio: En función de las condiciones de venta que se hayan generado y de la decisión del cliente le será enviado su equipo.

E. EXPIRACION DE RMA.

Tiene una duración de 90 días

ABANDONO DE EQUIPO

Una vez transcurridos 6 meses y habiendo notificado el cliente en al menos 3 ocasiones por algún medio acerca de la cotización de diagnóstico para su autorización, en caso de que no se tenga algún tipo de respuesta del cliente, el equipo se considerará en abandono, por lo que el departamento de servicios enviará el equipo a desecho, notificando al cliente de la situación de su equipo y el departamento de servicios no se considerará responsable de la integridad del equipo, dada la falta de atención y seguimiento de parte del cliente.

APLEX SECURITY SOLUTIONS

- Soluciones de Seguridad, Protección y Control de Acceso
- Gestión y Localización de Activos vía Internet/GPS
- Conectividad e Internet por Fibra Óptica E Inalámbrico
- Instalación de Puertas e inversores, Redes locales.
- Equipos, Accesorios y Suministros Médicos

AUTORIZACIÓN DE RETORNO DE MERCANCIA (RMA)

Forma F-019
Aplex-001

 # RMA: _____

FECHA: _____/_____/_____

Compañía: _____   R.F.C.: _____

Nombre: _____ Tel: _____

E-Mail: _____ Equipo: _____

Modelo: _____ Serie: _____ Núm. De Factura Del Equipo: _____

Fecha De Compra: _____

Inventario Del Equipo A Enviar: _____

_____

Para aplicar la Garantía es importante indicar la Fecha y Número de Factura.

Firma: _____

Marque con una **X** el motivo por el cual retorna la mercancía descrita anteriormente.

☐ **Producto equivocado**

☐ **Unidad descompuesta, detalle la falla:**

_____

_____

☐ **Otros. Especifique.** _____

_____

Una vez que hayamos recibido esta forma completamente llena, un Ingeniero de Servicios de APLEX SECURITY, se pondrá en contacto con usted. Su número RMA es indispensable para dar seguimiento al estado de su servicio. Agradecemos su comprensión.

Para uso exclusivo de APLEX SECURITY	☐Servicio Cobrable ☐Garantía

Para uso exclusivo de APLEX SECURITY

Fecha de recepción de este documento: _____ # de Cajas recibidas: _____

Autorizado por: _____

Describa el inventario del equipo al recibir (inspección visual):

_____

Revisado por: _____ Firma: _____

Estado: ? Recibido **(R)** ? Diagnóstico **(D)** ? Espera Aut. **(EA)** ? En Servicio**(S)** ? Espera Enviar **(EE)** ? Enviado **(E)**

? Servicio No Autorizado **(SNA)** ? Cancelado **(C)**

sc@aplex.do

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HIKVISION

iDS-9632NXI-M8/X
DeepinMind M Series NVR

Key Feature

- Up to 2-ch@32 MP/2-ch@24 MP/4-ch@12 MP/8-ch@8 MP/16-ch@4 MP/32-ch@1080p decoding capacity
- H.265+/H.265/H.264+/H.264 video formats
- Up to 32-ch IP cameras can be connected
- Intelligent analytics based on deep learning algorithm
- Up to 24-ch perimeter protection
- Up to 16-ch facial recognition for video stream, or up to 32-ch facial recognition for face picture
- Up to 12-ch video structuralization

Profession and Reliability

- H.265+ compression effectively reduces the storage space by up to 75%
- Dual-stream recording saves bandwidth
- Adopt stream over TLS encryption technology which provides more secure stream transmission service
- Support double verification for playback and downloading
- ANR (Automatic Network Replenishment) technology ensures network camera video storage reliability

HD Video Output

- Provide independent HDMI and VGA outputs
- HDMI video output at up to 8K resolution or dual 4K resolution

Storage and Playback

- Up to 8 SATA interfaces for HDD connection
- Up to 16-ch synchronous playback

Smart & POS Function

- Support multiple VCA (Video Content Analytics) events
- Configurable special camera smart functions, such as VCA detection (motion, line crossing, intrusion, etc.), heat map, ANPR (Automatic Number-Plate Recognition), and people counting
- POS information overlay on live view and playback, and POS triggered recording and alarm

Network & Ethernet Access

- 2 self-adaptive 10M/100M/1000M Ethernet interfaces
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- Smooth streaming technology
- Support web access without plug-in

Typical Application

Facial Recognition and Face Picture Comparison

Modeling and analyzing face pictures captured by cameras. Realize list alarm and stranger alarm via face picture library. Search target people by picture and name features.
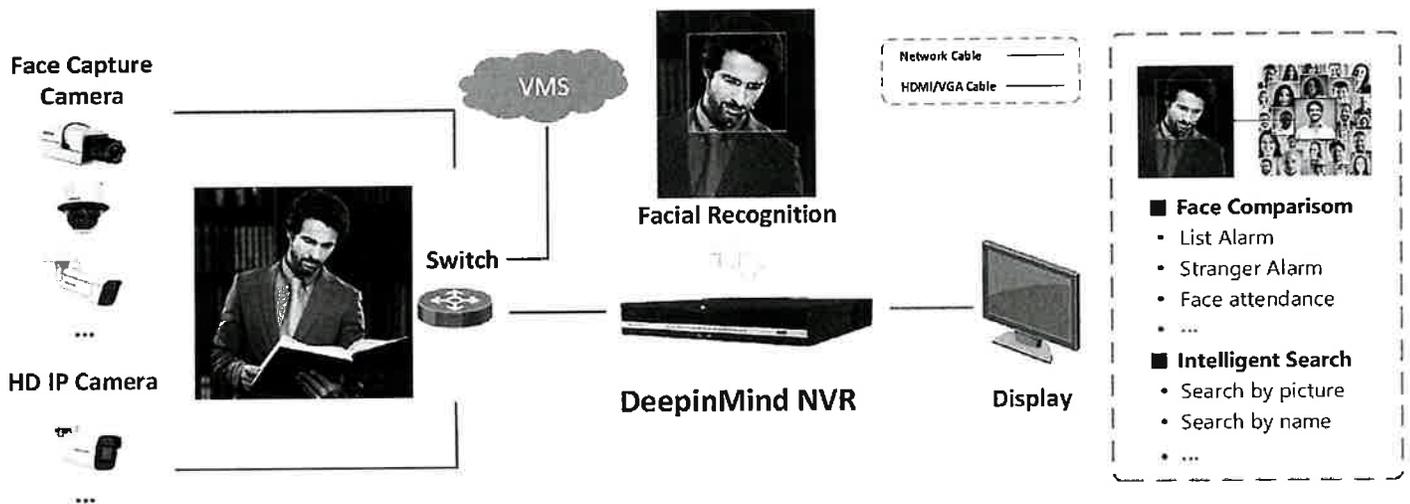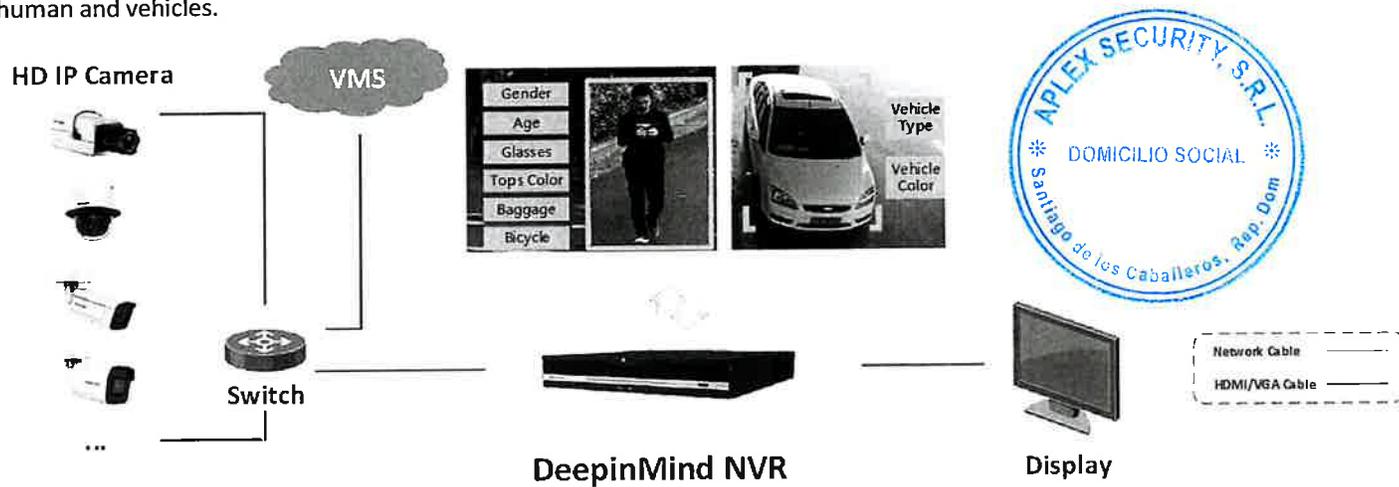

Perimeter Protection

Adopt deep learning algorithm to reduce false alarm, effectively reduces the false alarm caused by tree branches, leaves, shadow, light, vehicles, small animals, etc.
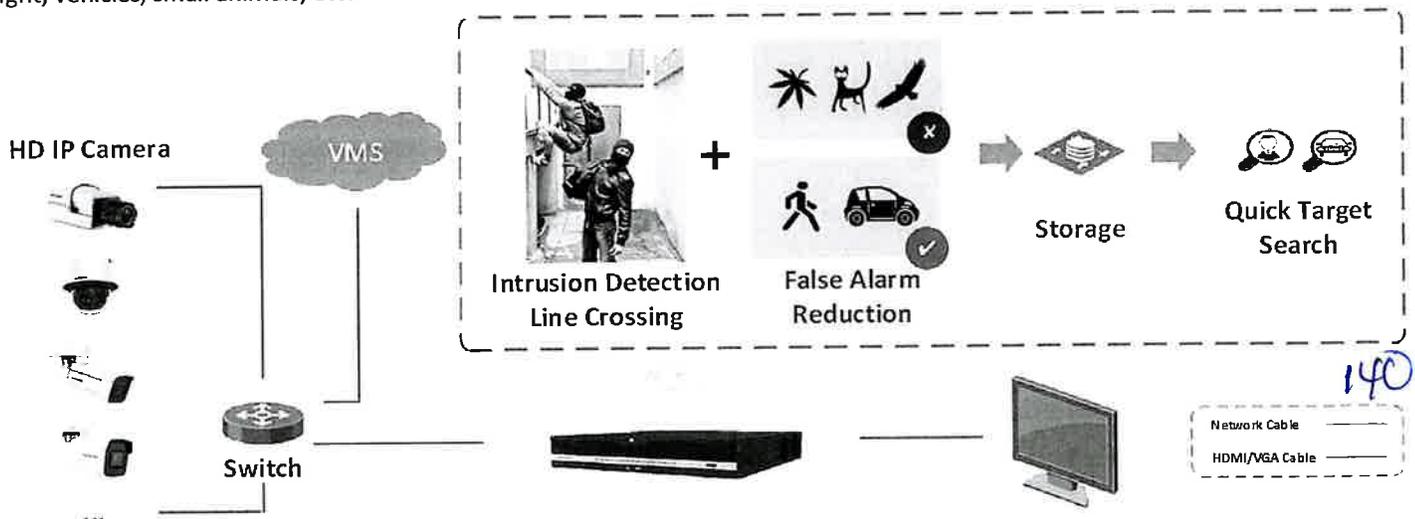
Video Structuralization

Extracting the face picture, human body and vehicle features from live videos, which is used for the tracking and retrieval of human and vehicles.

DeepinMind NVR

▪ Specification

Intelligent Analytics

AI by NVR	Facial recognition, perimeter protection, video structuralization, throwing objects from building
AI by Camera	Facial recognition, perimeter protection, video structuralization, throwing objects from building, motion detection2.0, ANPR, people counting, VCA
Engine	2, each engine can run an intelligent algorithm, engine mode is adjustable

Facial Recognition

Facial Detection and Analytics	Face picture comparison, human face capture, face picture search
Face Picture Library	Up to 32 face picture libraries, up to 100,000 face pictures in list library, up to 10,000 face pictures in stranger library, up to 10,000,000 face pictures in face capture (each picture ≤ 4 MB, total capacity ≤ 20 GB)
Face Picture Comparison (Captured from Camera)	32-ch (16-ch for each engine); Comparison speed: 48 pictures per second
Facial Detection and Analytics Performance	16-ch 2 MP (8-ch for each engine), up to 8 MP

Perimeter Protection

By NVR	24-ch 2 MP (12-ch for each engine), up to 8 MP
By Camera	All channels

Video Structuralization

Structured Analysis	12-ch 2 MP (6-ch for each engine), up to 8 MP
Face Picture Library	Up to 32 face picture libraries, up to 100,000 face pictures in list library, up to 10,000 face pictures in stranger library, up to 10,000,000 face pictures in face capture (each picture ≤ 4 MB, total capacity ≤ 20 GB)
Face Picture Comparison	16-ch; Comparison speed: 32 pictures per second

Throwing Objects from Building

By NVR	16-ch 2 MP (8-ch for each engine), up to 8 MP)
By Camera	All channels

ANPR

By Camera	All channels
Vehicle Attributes	Vehicle brand, vehicle color, vehicle type
Plate Attributes	Plate number, license plate color, license plate type

Video and Audio

IP Video Input	32-ch Up to 32 MP resolution *: After ultra HD resolution mode is enabled, the NVR supports up to 8-ch 32 MP/24 MP IP video inputs.
Incoming Bandwidth	320 Mbps
Outgoing Bandwidth	400 Mbps
HDMI 1 Output	8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
HDMI 2 Output	4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz *: When HDMI 1 output resolution is 8K, the maximum HDMI 2 output resolution is 1080p.
VGA 1 Output	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
VGA 2 Output	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Video Output Mode	HDMI1/VGA1 simultaneous output, HDMI2/VGA2 simultaneous output
CVBS Output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
Audio Output	2-ch, RCA (Linear, 1 KΩ)
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1 k Ω)

Decoding

Decoding Format	H.265/H.265+/H.264/H.264+
Decoding Capability	2-ch@32 MP (30 fps)/2-ch@24 MP (30 fps)/4-ch@12 MP (20 fps)/8-ch@8 MP (25 fps)/16-ch@4 MP (30 fps)/32-ch@1080p (30 fps)
Synchronous Playback	16-ch
Recording Resolution	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/ 2CIF/CIF/QCIF *: After ultra HD resolution mode is enabled, the NVR supports up to 8-ch 32 MP/24 MP IP video inputs.

Network

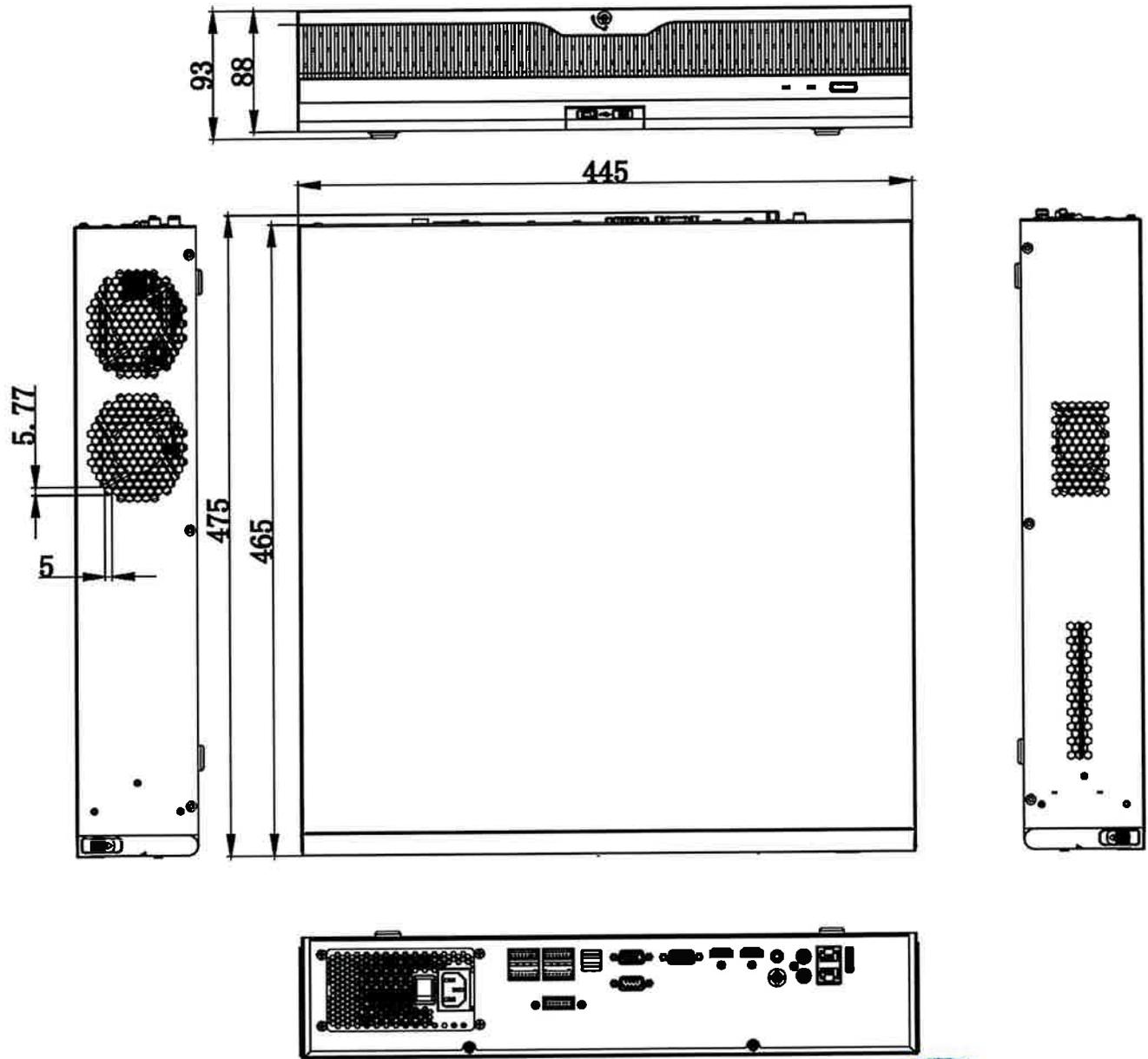|	
Remote Connection	128
Network Protocol	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS
API	ONVIF (profile S/G); SDK; ISAPI
Compatible Browser	IE11, Chrome V57, Firefox V52, Safari V12, Edge V89, or above version
Network Interface	2. RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface

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RAID

RAID Type	RAID0, RAID1, RAID5, RAID6, RAID10

Auxiliary Interface

Ctrl 12V	Controllable 12 VDC, 1 A power output for external alarm device; The power will be turned on when the alarm output is triggered. *: The Ctrl 12V power is controlled by alarm output 9.
DC 12V	12 VDC, 1 A power output
SATA	8 SATA interfaces; 3.5-inch HDD
eSATA	1 eSATA interface
Capacity	Up to 14 TB capacity for each HDD
Serial Interface	1 RS-232, 1 RS-485 (full-duplex), 1 keyboard
USB Interface	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
Alarm In/Out	16/9

General

GUI Language	English, Russian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Turkish, Japanese, Danish, Swedish Language, Norwegian, Finnish, Korean, Traditional Chinese, Thai, Estonian, Vietnamese, Croatian, Slovenian, Serbian, Latvian, Lithuanian, Uzbek, Kazakh, Arabic, Ukrainian, Kyrgyz , Brazilian Portuguese, Indonesian
Power Supply	100 to 240 VAC, 50 to 60 Hz
Consumption	≤ 50 W (without HDD)
Working Temperature	-10 to 55° C (14 to 131° F)
Working Humidity	10 to 90%
Dimension (W × D × H)	445 × 465 × 93 mm (17.5"× 18.3" × 3.7")
Weight	≤ 10 kg (without HDD, 28.7 lb.)

Certification

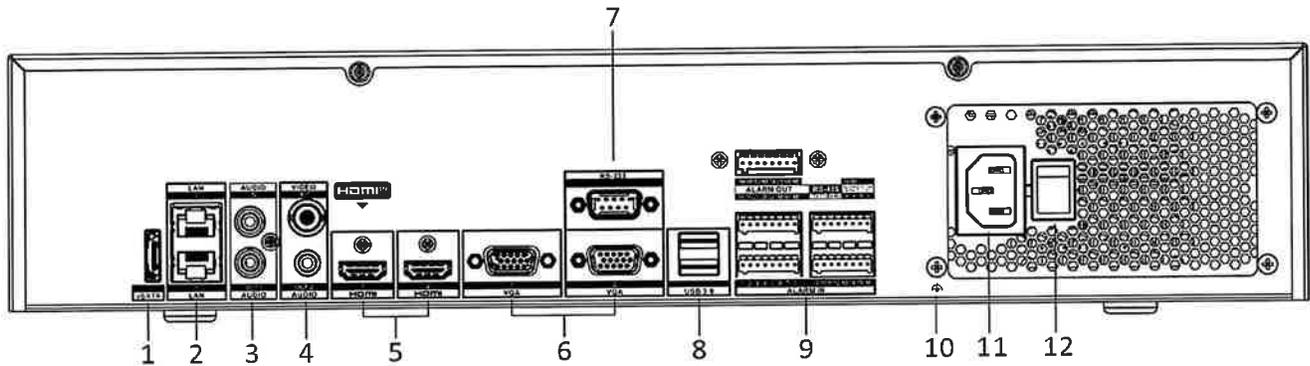|	
Obtained Certification	CE, FCC, IC, CB, KC, UL, Rohs, Reach, WEEE, RCM, UKCA, LOA, BIS
FCC	Part 15 Subpart B, ANSI C63.4-2014
CE	EN 55032:2015+A1:2020, ENIEC61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019, EN 50130-4:2011+A1:2014, EN 55035:2017+A11:2020

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Dimension

scale/1:1;Unit/mm

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Physical Interface

No.	Description	No.	Description
1	eSATA interface	7	RS-232 Serial interface
2	LAN interfaces	8	USB 3.0 interfaces
3	Audio in and out	9	Alarm in, alarm out, RS-485 serial interface, Ctrl 12V and DC 12V
4	Audio out and video out	10	GND
5	HDMI 1 and HDMI 2 interfaces	11	100 to 240 VAC power supply
6	VGA 1 and VGA 2 interfaces		

Available Model

iDS-9632NXI-M8/X

Follow us on social media to get the latest product and solution information.

in Hikvision   f HikvisionHQ   HikvisionHQ   Hikvision_Global   Hikvision Corporate Channel   hikvisionhq

HIKVISION

iDS-7716NXI-M4/X
DeepInMind M Series

Key Feature

- Up to 2-ch@32 MP/2-ch@24 MP/4-ch@12 MP/8-ch@8 MP/16-ch@4 MP decoding capacity
- H.265+/H.265/H.264+/H.264 video formats
- Up to 16-ch IP cameras can be connected
- Intelligent analytics based on deep learning algorithm
- Up to 16-ch perimeter protection
- Up to 16-ch facial recognition for video stream, or up to 16-ch facial recognition for face picture
- Up to 12-ch video structuralization
- Up to 8-ch IP speakers can be connected

Professional and Reliability

- H.265+ compression effectively reduces the storage space by up to 75%
- Dual-stream recording saves bandwidth
- Adopt stream over TLS encryption technology which provides more secure stream transmission service
- Support double verification for playback and downloading

HD Video Output

- Provide independent HDMI and VGA outputs
- HDMI video output at up to 8K resolution or dual 4K resolution

Storage and Playback

- Up to 4 SATA interfaces for HDD connection
- Up to 16-ch synchronous playback

Smart & POS Function

- Support multiple VCA (Video Content Analytics) events
- Configurable special camera smart functions, such as VCA detection (motion, line crossing, intrusion, etc.), heat map, ANPR, and people counting
- POS information overlay on live view and playback, and POS triggered recording and alarm

Network & Ethernet Access

- 2 self-adaptive 10/100/1000 Mbps Ethernet interface
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- Smooth streaming technology
- Support web access without plug-in

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▪ Specification

Intelligent Analytics

AI by NVR	Facial recognition, perimeter protection, video structuralization, AcuSearch
AI by Camera	Facial recognition, perimeter protection, video structuralization, AcuSearch, motion detection2.0, ANPR, people counting, VCA
Engine	2, each engine can run an intelligent algorithm, engine mode is adjustable

Facial Recognition

Facial Detection and Analytics	Face picture comparison, human face capture, face picture search
Face Picture Library	Up to 16 face picture libraries, up to 100,000 face pictures in list library, up to 10,000 face pictures in stranger library, up to 5,000,000 face pictures in face capture (each picture ≤ 4 MB, total capacity ≤ 20 GB)
Face Picture Comparison (Captured from Camera)	16-ch (24-ch for each engine); Comparison speed: 48 pictures per second
Facial Detection and Analytics Performance	16-ch 2 MP (8-ch for each engine), up to 8 MP

AcuSearch

By NVR	up to 8-ch, up to 691,200 targets/day
By Camera	All channels, up to 691,200 targets/day The camera should enable AcuSearch function

Perimeter Protection

By NVR	perimeter protection powered by Large Model: 12-ch 2 MP or 8-ch 4MP or 4-ch 8MP perimeter protection without Large Model: 16ch-4MP or 8-ch 8MP
By Camera	perimeter protection powered by Large Model with AcuSense cameras: All channels

Video Structuralization

Structured Analysis	12-ch 2 MP (6-ch for each engine), up to 8 MP
Face Picture Library	Up to 16 face picture libraries, up to 100,000 face pictures in list library, up to 10,000 face pictures in stranger library, up to 5,000,000 face pictures in face capture (each picture ≤ 4 MB, total capacity ≤ 20 GB)
Face Picture Comparison	16-ch; Comparison speed: 32 pictures per second

ANPR

By Camera	All channels
Plate Attributes	Plate number, license plate color, license plate type
Vehicle Attributes	Vehicle brand, vehicle color, vehicle type

Video and Audio

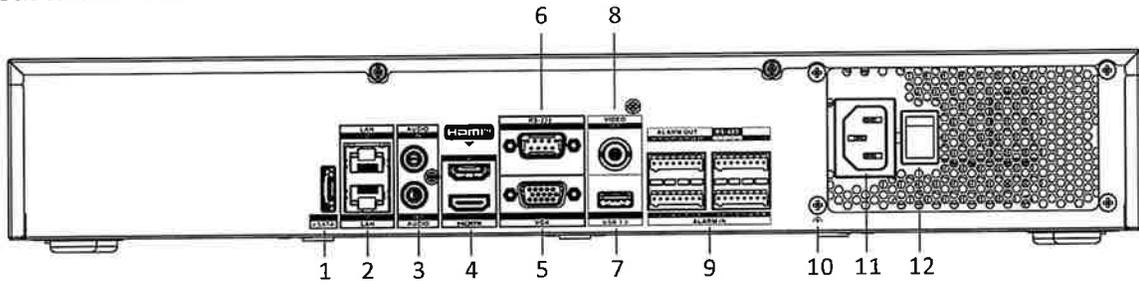|	
IP Video Input	16-ch Up to 32 MP resolution
Incoming Bandwidth	256 Mbps
Outgoing Bandwidth	256 Mbps
HDMI 1 Output	8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz
HDMI 2 Output	4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz *: When HDMI 1 output resolution is 8K, the maximum HDMI 2 output resolution is

|	
VGA Output	1920 × 1080/60Hz
Video Output Mode	HDMI1/VGA1 simultaneous output, HDMI1/HDMI2 independent output
CVBS Output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
Audio Output	1-ch, RCA (Linear, 1 KΩ)
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1 k Ω)
Decoding	
Decoding Format	H.265/H.265+/H.264/H.264+
Decoding Capability	2-ch@32 MP (30 fps)/2-ch@24 MP (30fps)/4-ch@16 MP (30fps)/8-ch@8 MP (30fps)/16-ch@4 MP (30fps)
Synchronous Playback	16-ch
Recording Resolution	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/ 2CIF/CIF/QCIF
Network	
Remote Connection	128
Network Protocol	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS, ONVIF(Version 2.2), OTAP
API	ONVIF (profile S/G); SDK; ISAPI
Compatible Browser	IE11, Chrome V57, Firefox V52, Safari V12, Edge V89, or above version
Network Interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
Camera Access Protocol	ONVIF(Version 2.5), RTSP
Auxiliary Interface	
SATA	4 SATA interfaces; 3.5-inch HDD
eSATA	1 eSATA interface
Capacity	Up to 16 TB capacity for each HDD
Serial Interface	1 RS-232, 1 RS-485 (full-duplex)
USB Interface	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
Alarm In/Out	16/4
General	
GUI Language	English, Russian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Turkish, Japanese, Danish, Swedish Language, Norwegian, Finnish, Korean, Traditional Chinese, Thai, Estonian, Vietnamese, Croatian, Slovenian, Serbian, Latvian, Lithuanian, Uzbek, Kazakh, Arabic, Ukrainian, Kyrgyz, Brazilian Portuguese, Indonesian
Power Supply	100 to 240 VAC, 50 to 60 Hz
Consumption	≤ 50 W (without HDD)
Working Temperature	-10 to 55°C (14 to 131° F)
Working Humidity	10 to 90%
Dimension (W × D × H)	440 × 391 ×72 mm (17.3"× 15.4" × 2.8")
Weight	≤ 5 kg (without HDD, 11 lb.)
Certification	
Obtained Certification	CE, FCC, IC, CB, KC, UL, Rohs, Reach, WEEE, RCM, UKCA, LOA, BIS
FCC	Part 15 Subpart B, ANSI C63.4-2014
CE	EN 55032:2015+A1:2020, ENIEC61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019, EN 50130-4:2011+A1:2014, EN 55035:2017+A11:2020

▪ Physical Interface

No.	Description	No.	Description
1	eSATA interface	7	USB 3.0 interface
2	LAN 1 and LAN 2 interfaces	8	CVBS video output
3	Audio in and audio out	9	Alarm in, alarm out, and RS-485
4	HDMI 1 and HDMI 2 Interfaces	10	GND
5	VGA output	11	100 to 240 VAC power supply
6	RS-232 serial interface	12	Power switch

▪ Available Model

iDS-7716NXI-M4/X

▪ Dimension
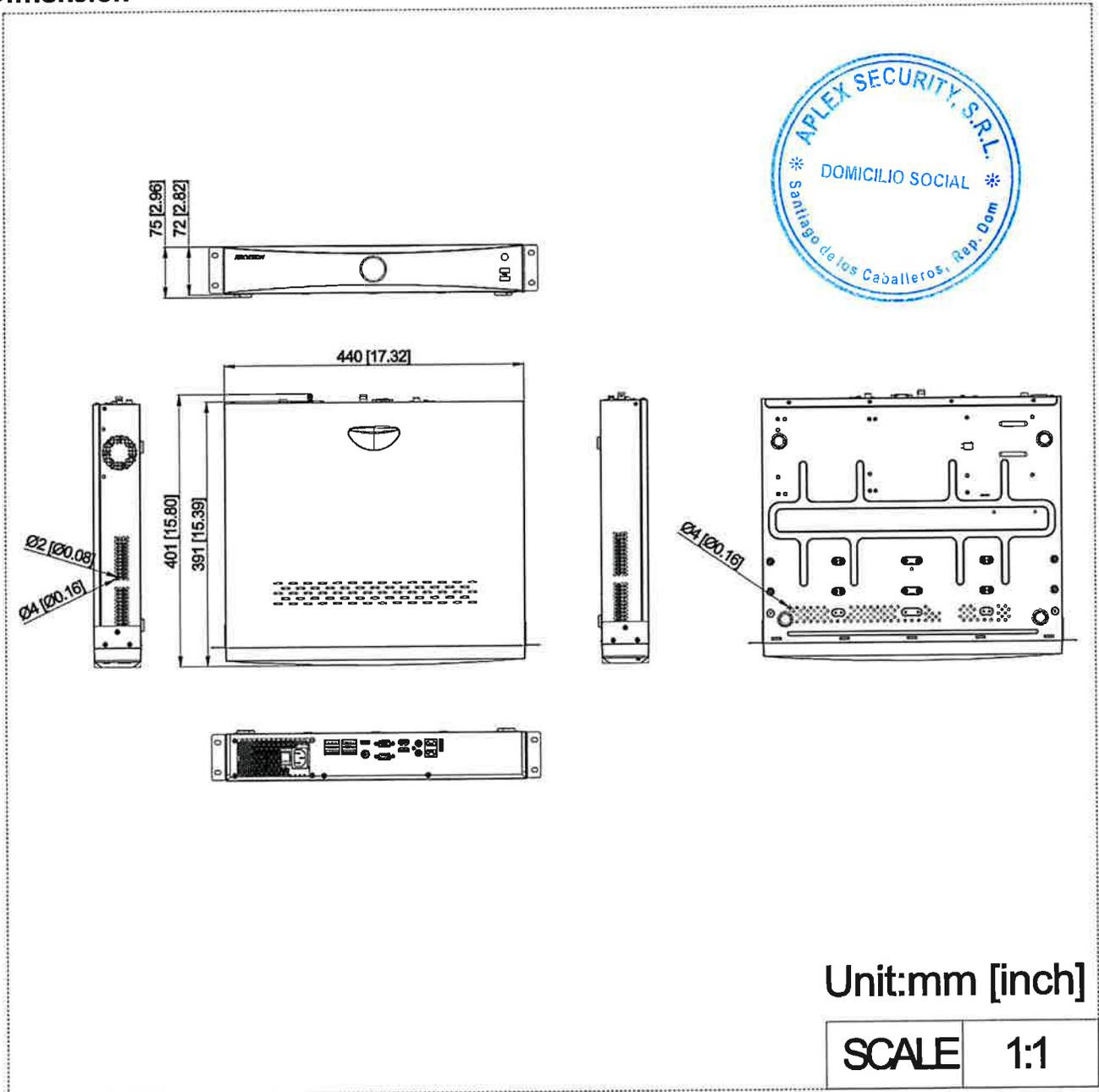
Unit:mm [inch]

SCALE	1:1

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See Far, Go Further

HIKVISION

DS-2CD3043G2-IU
4 MP AcuSense Fixed Bullet Network Camera

AcuSense

Hikvision has been dedicated to develop products with security since established. Hikvision always follows security by design principle and has adopted many methods of security technologies into our product development lifecycle, including terminal security, data security, application security, network security, and privacy protection. In the meantime, the security technologies used by Hikvision are all in compliance with local applicable laws and safety regulations. These security measures could enhance product's cyber security protection capability and protect your devices as well as your data from malicious cyber attacks.

- High quality imaging with 4 MP resolution

- Efficient H.265+ compression technology

- Clear imaging against strong back light due to 120 dB true WDR technology

- Focus on human and vehicle classification based on deep learning

- Built-in microphone for real-time audio security

- Water and dust resistant (IP67) and vandal-resistant (IK10)

▪ Specification

Camera

Image Sensor	1/2.9" Progressive Scan CMOS
Max. Resolution	2688 × 1520
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
Shutter Time	1/3 s to 1/100,000 s
Day & Night	IR cut filter
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°

Lens

Lens Type	Fixed focal lens, 2.8, 4, and 6 mm optional
Focal Length & FOV	2.8 mm, horizontal FOV 103.6°, vertical FOV 57.2°, diagonal FOV 121.6° 4 mm, horizontal FOV 83.5°, vertical FOV 44.8°, diagonal FOV 99.9° 6 mm, horizontal FOV 51.8°, vertical FOV 27.9°, diagonal FOV 60.5°
Lens Mount	M12
Iris Type	Fixed
Aperture	F1.6
Depth of Field	2.8 mm: 1.4 m to ∞ 4 mm: 1.5 m to ∞ 6 mm: 3.5 m to ∞

DORI

DORI	2.8 mm, D: 63 m, O: 25 m, R: 12 m, I: 6 m 4 mm, D: 78 m, O: 31 m, R: 15 m, I: 7 m 6 mm, D: 128 m, O: 50 m, R: 25 m, I: 12 m

Illuminator

Supplement Light Type	IR
Supplement Light Range	Up to 40 m
Smart Supplement Light	Yes
IR Wavelength	850 nm

Video

Main Stream	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)
Third Stream	50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings.

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Fourth Stream	50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) *Fourth stream is supported under certain settings.
Video Compression	Main stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG *Third stream and fourth stream are supported under certain settings.
Video Bit Rate	32 Kbps to 8 Mbps
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Bit Rate Control	CBR, VBR
Region of Interest (ROI)	5 fixed regions for main stream and sub-stream
Target Cropping	Yes
Audio	
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/48 kHz
Environment Noise Filtering	Yes
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, WebSocket, WebSockets
Simultaneous Live View	Up to 6 channels
API	ONVIF (Profile S, Profile G), ISAPI, SDK, ISUP
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Security	Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE and digest authentication for Open Network Video Interface
Network Storage	NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR), Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in required live view: IE11, Plug-in free live view: Chrome 80+, Firefox 80+, Edge 89+, Safari 13+, Local service: Chrome 80+, Firefox 80+, Edge 89+, Safari 13+
Image	
Image Parameters Switch	Yes
Day/Night Switch	Day, Night, Auto, Schedule
Image Settings	Rotate mode
Wide Dynamic Range (WDR)	120 dB

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SNR	≥ 52 dB
Image Enhancement	BLC, HLC, 3D DNR
Privacy Mask	8 programmable polygon privacy masks
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
Reset Key	Yes
Built-in Microphone	Yes, 1 built-in microphone
Event	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception
Smart Event	Unattended baggage detection, object removal detection, loitering detection, people gathering detection, people running detection, parking detection, video quality diagnosis
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger recording, trigger capture
Deep Learning Function	
Face Capture	Yes
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle)
General	
Power	12 VDC ± 25%, reverse polarity protection, 0.5 A, max. 6 W, Ø5.5 mm coaxial power plug PoE: IEEE 802.3af, Class 3, max. 7.5 W
Material	Metal
Dimension	Ø74.4 mm × 179.2 mm (Ø2.9" × 7.1")
Package Dimension	216 mm × 121 mm × 118 mm (8.6" × 4.8" × 4.7")
Weight	Approx. 510 g (1.1 lb.)
With Package Weight	Approx. 750 g (1.7 lb.)
Storage Conditions	-30 ℃ to 60 ℃ (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-30 ℃ to 60 ℃ (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Language	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
General Function	Heartbeat, mirror, flash log, password reset via email, pixel counter, anti-banding
Approval	
EMC	CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021, RCM: AS/NZS CISPR 32: 2015, IC: ICES-003: Issue 7

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Safety	UL: UL 62368-1,
	CB: IEC 62368-1:2014+A11,
	CE-LVD: EN 62368-1:2014/A11: 2017,
	BIS: IS 13252 (Part 1): 2010/IEC 60950-1:2005,
	LOA: IEC/EN 60950-1
Environment	CE-RoHS: 2011/65/EU,
	WEEE: 2012/19/EU,
	Reach: Regulation (EC) No 1907/2006
Protection	IP67: IEC 60529-2013, IK10: IEC 62262:2002

• Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain.
No specific protection	Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.

• Available Model

DS-2CD3043G2-IU(4mm)SKD
DS-2CD3043G2-IU(2.8mm)(B)
DS-2CD3043G2-IU(4mm)(B)
DS-2CD3043G2-IU(6mm)(B)
DS-2CD3043G2-IU(2.8mm)(B)(Black)

• Dimension

74.4 (2.93") 179.2 (7.06") 110.6 (4.35") 3-Ø4.5 (0.18") Ø70 (2.76") Ø55 (2.17") 3-120°
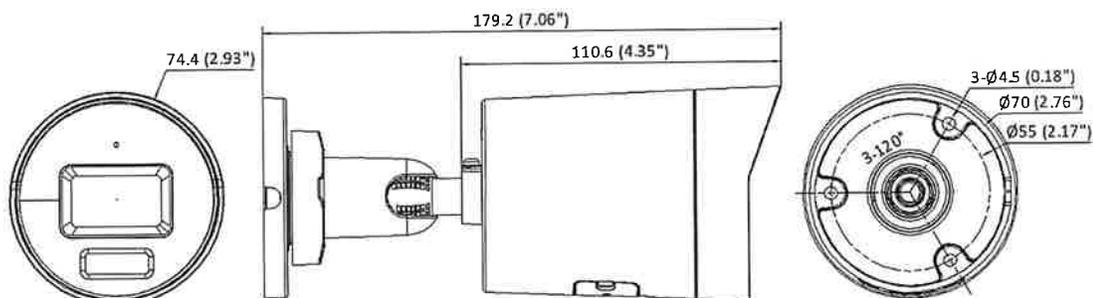
Unit: mm (inch)

- **Accessory**

- **Optional**

DS-1275ZJ-SUS Vertical pole mount	DS-1276ZJ-SUS Corner mount	DS-1280ZJ-XS Junction box

See Far, Go Further

iDS-2CD7186G2-IZ(H)S(Y)
8 MP DeepinView Moto Varifocal Dome Camera

DeepinView series

H.265+ | 60FPS | 140dB WDR | IP67 | P Iris | (vandal proof icon)

Hikvision has been dedicated to develop products with security since established. Hikvision always follows security by design principle and has adopted many methods of security technologies into our product development lifecycle, including terminal security, data security, application security, network security, and privacy protection. In the meantime, the security technologies used by Hikvision are all in compliance with local applicable laws and safety regulations. These security measures could enhance product's cyber security protection capability and protect your devices as well as your data from malicious cyber attacks.

- High quality imaging with 8 MP resolution
- Excellent low-light performance via DarkFighter 2.0 technology
- Capture vehicles and humans of different speed clearly via ShotN technology
- Clear imaging against strong back light due to 140 dB AWDR technology
- Efficient H.265+ compression technology to save bandwidth and storage
- 5 streams to meet a wide variety of applications
- Water and dust resistant (IP67), vandal proof (IK10) and corrosion resistant (NEMA 4X, optional)
- High frame rate, up to 8MP@60fps and 2MP@120fps
- Built-in dual-mic and speaker for real-time audio security
- Built-in G-sensor for vibration detection
- Built-in power meter for voltage exception alarm and historical power statistics

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▪ Function

Face Capture

With embedded deep learning based algorithms, the camera is able to give the best shot of a target face through detecting, capturing, grading and selecting. The camera uses face exposure function to dynamically adjust face area exposure of captures and ensures high face picture quality.

Multi-Target-Type Detection

With the embedded deep learning algorithms, the camera detects and captures the face, human body, vehicle in the specified region.

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• Specification

Camera

Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	3840 × 2160
Min. Illumination	Color: 0.0005 Lux @ (F1.2, AGC ON),B/W: 0.0001 Lux @ (F1.2, AGC ON),B/W: 0 Lux with IR
Shutter Time	1 s to 1/100,000 s
Day & Night	IR cut filter,Blue glass module (less ghost phenomenon)
Angle Adjustment	Pan: 0° to 355°,tilt: 0° to 75°,rotate: 0° to 355°

Lens

Lens Type	Varifocal lens, motorized lens, 2.8 to 12 mm and 8 to 32 mm optional
Focal Length & FOV	2.8 to 12 mm: horizontal FOV 112.3° to 41.2°, vertical FOV 58.1° to 23.1°, diagonal FOV 137.4° to 47.3° 8 to 32 mm: horizontal FOV 41.8° to 15°, vertical FOV 22.9° to 8.5°, diagonal FOV 48.7° to 17.1°
Focus	Auto,Semi-auto,Manual
Iris Type	P-iris
Aperture	2.8 to 12 mm: F1.38 to F2.53, 8 to 32 mm: F1.7 to F1.73

DORI

DORI	2.8 to 12 mm: D (Detect): 220.0 m, O (Observe): 87.3 m, R (Recognize): 44.0 m, I (Identify): 22.0 m 8 to 32 mm: D (Detect): 580.0 m, O (Observe): 230..2 m, R (Recognize): 116.0 m, I (Identify): 58.0 m

Illuminator

Supplement Light Type	IR
Supplement Light Range	2.8 to 12 mm: Monitoring: 40 m; 8 to 32 mm: Monitoring: 60 m
Smart Supplement Light	Yes
IR Wavelength	850 nm

Video

Main Stream	50 Hz: 100 fps (1920 × 1080) 50 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1280 × 720) 60 Hz: 120 fps (1920 × 1080) 60 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480)
Third Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
Fourth Stream	50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480)
Fifth Stream	50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480)

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Video Compression	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Baseline Profile,Main Profile,High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR,VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	4 fixed regions for each stream
Target Cropping	Yes
e-PTZ	Support Patrol and Auto Tracking settings
Audio	
Audio Type	Mono sound
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/48 kHz
Environment Noise Filtering	Yes
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, SRTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP,UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, WebSocket, WebSockets
Simultaneous Live View	Up to 20 channels
API	ISAPI,SDK,ISUP,OTAP,ONVIF (Profile S, Profile G, Profile T, Profile M)
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP OVER HTTPS, Control Timeout Settings, Security Audit Log, TLS 1.2, TLS 1.3, TPM 2.0 (FIPS 140-2 level 2), AES128/256
Client	iVMS-4200,Hik-Connect,Hik-Central
Network Storage	NAS (NFS, SMB/CIFS),Auto Network Replenishment (ANR), Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
Web Browser	Plug-in required live view: IE 10, IE 11, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, Safari 11+, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+
Image	
Image Parameters Switch	Yes
Image Settings	Rotate mode,saturation,brightness,contrast,sharpness,white balance,AGC,adjustable by client software or web browser
Day/Night Switch	Day,Night,Auto,Schedule,Alarm Trigger
Wide Dynamic Range (WDR)	140 dB

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Image Enhancement	BLC,HLC,3D DNR,Distortion Correction,Defog
SNR	≥ 52 dB
Privacy Mask	8 programmable polygon privacy masks
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format.
Image Stabilization	EIS
Interface	
Video Output	1 Vp-p Composite Output (75 Ω/CVBS) (Only for debugging)
Ethernet Interface	1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1 TB
Built-in Microphone	Yes, 2 built-in microphones
Built-in Speaker	Max. power consumption: 1.5 W, max. sound pressure level: 98 dB, speaker range: 10 m
Audio	1 input (line in), 3.5 mm connector, three-contact, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), 3.5 mm connector, three-contact, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium, mono sound
Alarm	2 inputs, 2 outputs (max. 24 VDC/24 VAC, 1 A)
RS-485	1 RS-485 (Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)
Reset Key	Yes
Power Output	12 VDC, max. 100 mA
Event	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)),video tampering alarm,video quality diagnosis,exception (network disconnected, IP address conflict, illegal login, abnormal restart, HDD full, HDD error),vibration detection
Smart Event	scene change detection,audio exception detection,defocus detection
Linkage	Upload to FTP/NAS/memory card,notify surveillance center,send email,trigger alarm output,trigger recording,trigger capture,audible warning
Deep Learning Function	
Multi-target-type Detection	Supports simultaneous detection and capture of human body, face, and vehicle, Gets 7 face features, Gets 13 human body features, Gets 2 vehicle features, Supports counting the number of line crossing targets by type, including human body, non-motor vehicle, motor vehicle, Supports dynamic mosaic mask
Face Capture	Detects up to 120 faces simultaneously, captures up to 40 face pictures per frame simultaneously and uploads up to 10 face pictures per second, Supports swing left and right from -60° to 60°, tilt up and down from -30° to 30°, Uploads face with background and closed-up face pictures, Supports best shot and quick shot for capture mode, Supports dynamic mosaic mask, Gets 7 face features
Face Comparison	Up to 10 face libraries. 30,000 faces for each library. 150,000 faces in total, Supports face library encryption

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x

Perimeter Protection	Line crossing, intrusion, region entrance, region exiting
	Support alarm triggering by specified target types (human and vehicle)
	Support combined event alarm triggering

General

Power	12 VDC ± 20%, 1.25 A, max. 14.75 W,three-core terminal block,reverse polarity protection,
	24 VAC ± 20%, 1.05 A, max. 14.1 W,
	PoE: IEEE 802.3at, Type 2, Class 4, 42.5 V to 57 V, 0.37 A to 0.27 A, max. 15.7 W
Material	Base: metal, cover: metal
Dimension	Ø144.3 mm × 114.1 mm (Ø5.7" × 4.5")
Package Dimension	244 mm × 174 mm × 173 mm (9.6" × 6.9" × 6.8")
Weight	Approx. 1100 g (2.43 lb.)
With Package Weight	Approx. 1482 g (3.27 lb.)
Storage Conditions	-40 °C to 65 °C (-40 °F to 149 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	With -H: -40 °C to 65 °C (-40 °F to 149 °F). Humidity 95% or less (non-condensing), Without -H: -30 °C to 65 °C (-22 °F to 149 °F). Humidity 95% or less (non-condensing)
Language	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
General Function	Heartbeat,one-key reset,mirror,password protection
Cable Length	0.25 m (0.8 ft.)
Heater	-H: Yes
Device Management	Supports adding alarm box (DS-FM2466) in the LAN to expand 6 additional input and 6 output alarm interfaces

Approval

EMC	CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021, RCM: AS/NZS CISPR 32: 2015, IC: ICES-003: Issue 7, KC: KN32: 2015, KN35: 2015
Safety	CB: IEC 62368-1: 2014+A11, CE-LVD: EN 62368-1: 2014/A11: 2017, BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005, LOA: IEC/EN 60950-1
Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006
Protection	IP67: IEC 60529-2013,IK10: IEC 62262:2002
Anti-Corrosion Protection	-Y: NEMA 4X (NEMA 250-2018)
Automotive and Railway	EN50121-4
Other	PVC FREE

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▪ Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

-Y model: This model has MODERATE PROTECTION.
Without -Y model: This model has NO SPECIFIC PROTECTION.

Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain.
No specific protection	Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.

▪ Available Model

iDS-2CD7186G2-IZHSY(2.8-12mm)
iDS-2CD7186G2-IZHSY(8-32mm)
iDS-2CD7186G2-IZS(2.8-12mm)
iDS-2CD7186G2-IZS(8-32mm)

▪ Dimension

114.1

46

83.5

Ø123.4

Ø144.3
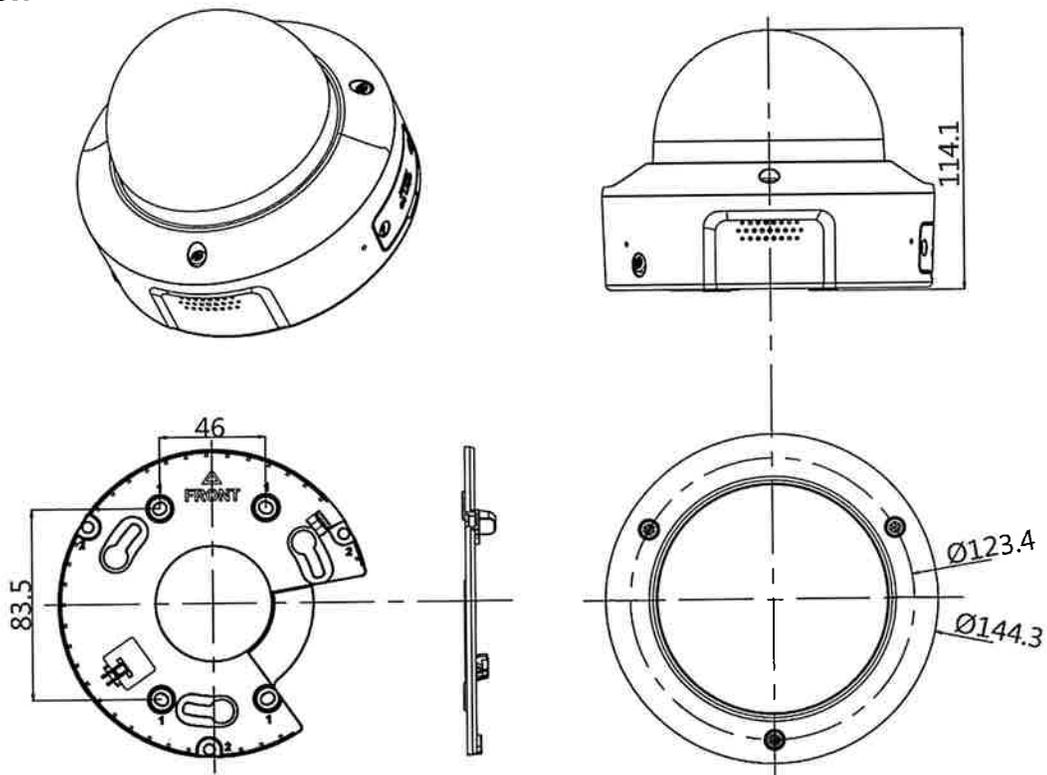
164

Unit: mm

• Accessory

▪ Optional

DS-1475ZJ-SUS Vertical pole mount	DS-1227ZJ-DM32 In-ceiling mount	DS-1476ZJ-SUS Corner mount	DS-1475ZJ-Y Vertical pole mount	DS-1476ZJ-Y Corner mount

DS-2280ZJ-WA140 Junction box	DS-2200ZJ-WA-140 Wall mount	DS-2200ZJ-WAJ-140 Wall mount	DS-2210ZJ-WA-140 Pendant Mount	

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HIKVISION

DS-2CD6365G1-IVS
6 MP DeepinView IR Network Fisheye Camera

DeepinView series
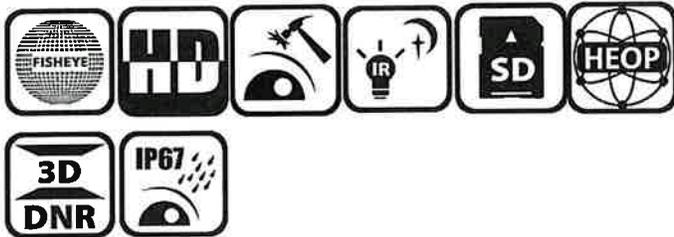
DS-2CD6365G1-IVS is a fisheye network camera capable of providing a 360-degree panoramic image of its scene.
The progressive scan CMOS sensor provides high-resolution images of up to 2560 × 2560.
Up to 20 live view display modes, designed for 3 mount types, meet various user preferences.
Three independently controlled IR lights offer a range of 15 m and provide good vision in low or even zero-light environment.

- Heatmap: based on deep learning algorithms, the camera counts people and presents an intuitive map

- Multi dewarping modes: the image can be dewarped to normal image for viewing intuitively

- Built-in mic and speaker: the camera supports two-way audio for real-time audio security monitoring and communication

- Built-in IR light: an IR range of 15 meters provides good visibility in low or even zero-light environments

- High resolution 6 MP: capturing clear images even when dewarped into 4-image PTZ mode

- Each image is clear and detailed

- Water and dust resistant (IP67) and vandal resistant (IK10)

• Specification

Camera

Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	2560 × 2560
Min. Illumination	Color: 0.01 Lux @ (F2.25, AGC ON),B/W: 0.005 Lux @ (F2.25, AGC ON),B/W: 0 Lux with IR
Shutter Time	1 s to 1/100,000 s
Day & Night	IR cut filter

Lens

Lens Type	Fixed focal lens, 1.16 mm
Focal Length & FOV	1.16 mm, horizontal FOV 180°, vertical FOV 180°
Iris Type	Fixed
Aperture	F2.25
Depth of Field	0.2 m to ∞

DORI

DORI	D: 23.2 m O: 9.2 m R: 4.6 m I: 2.3 m

Illuminator

Supplement Light Type	IR
Supplement Light Range	Up to 15 m
Supplement Light Number	3
Smart Supplement Light	Yes
IR Wavelength	850 nm

HEOP

Open Resources	Memory: 60 MB, Smart RAM: 800 MB, eMMC: 2 GB
Computing Power	2 TOPS
Open Capability	HEOP 2.0 OpendevSDK
Deep Learning Structure	Caffe,TensorFlow,PyTorch
Programming Language	C,C++

Video

Main Stream	50 Hz: 25 fps/60 Hz: 30 fps: Fisheye View: 2560 × 2560, 2048 × 2048, 1280 × 1280 180 Panorama View: 2048 × 1536, 1920 × 1440 180 Dual Channel Panorama View: 2048 × 768, 1920 × 720 Panorama View: 2048 × 1536, 1920 × 1440 4PTZ View: camera 01/camera 02/camera 03/camera 04: 1024 × 768 Fisheye + 3PTZ View: camera 01: 2048 × 2048, 1024 × 1024 camera 02/camera 03/camera 04: 1024 × 768 4PTZ Fusion View: 2048 × 1536, 1600 × 1200
Sub-Stream	50 Hz: 25 fps/60 Hz: 30 fps: Fisheye View: 720 × 720, 480 × 480 180 Panorama View: 640 × 480, 320 × 240 180 Dual Channel Panorama View: 640 × 480, 320 × 240 Panorama View: 640 × 360, 320 × 240 4PTZ View: camera 01/camera 02/camera 03/camera 04: 640 × 480, 320 × 240 Fisheye + 3PTZ View: camera 01: 720 × 720 camera 02/camera 03/camera 04: 640 × 480, 320 × 240
Video Compression	Main stream: H.265+/H.265/H.264+/ H.264, Sub-stream: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Baseline Profile,Main Profile,High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR,VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	4 fixed regions for each stream

Fisheye Display

Mount Type	Support wall/table/ceiling mounting
Decoding Mode	Support hardware decoding and software decoding

Display Mode	20 display modes in total, Software decoding: fisheye view, 180 panorama view, 360 panorama view, 360 panorama + PTZ, 360 panorama + 3PTZ, 360 panorama + 6PTZ, 360 panorama + 8PTZ, 2PTZ, 4PTZ, fisheye + 3PTZ, fisheye + 8PTZ, hemisphere, AR hemisphere, cylinder, Hardware decoding: fisheye view, 180 panorama view, 180 dual channel panorama, panorama view, 4PTZ, fisheye + 3PTZ, 4PTZ fusion

Audio

Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/48 kHz
Environment Noise Filtering	Yes

Network

Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, ISUP, ARP, WebSocket, WebSockets, SIP
Simultaneous Live View	Up to 20 channels
API	Open Network Video Interface (Profile S, Profile G, Profile T),ISAPI,SDK,ISUP, Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS 1.2, host authentication (MAC address)
Network Storage	NAS (NFS, SMB/CIFS),Auto Network Replenishment (ANR), Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
Client	iVMS-4200,iVMS-4500,iVMS-5200,Hik-Connect
Web Browser	Plug-in required live view: IE 10, IE 11, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, Safari 11+, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+

Image

Image Parameters Switch	Yes
Image Settings	saturation,brightness,contrast,sharpness,white balance,AGC,adjustable by client software or web browser
Day/Night Switch	Day,Night,Auto,Schedule,Alarm Trigger
Wide Dynamic Range (WDR)	120 dB
Image Enhancement	BLC,HLC,3D DNR,Distortion Correction,Defog
Privacy Mask	8 programmable polygon privacy masks
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format.

Interface

Ethernet Interface	1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB

Built-in Microphone	Yes, 4 built-in microphones
Built-in Speaker	Yes, 1 built-in speaker
Audio	1 input (line in), 3.5 mm connector, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), 3.5 mm connector, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Alarm	2 inputs, 2 outputs (max. 24 VDC, 1 A)
RS-485	1 RS-485 (Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)
Reset Key	1 Reset Key

Event

Basic Event	Motion detection,video tampering alarm,alarm input and output,exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Smart Event	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, scene change detection,audio exception detection,defocus detection, unattended baggage detection,object removal detection
Linkage	Upload to FTP/NAS/memory card,notify surveillance center,send email,trigger alarm output,trigger recording,trigger capture

Deep Learning Function

People Counting	Counts people entering, exiting and passing by separately (The data is stored in the flash.) Supports real-time uploading and uploading by statistic cycle Sends email reports on daily, weekly, monthly or annually basis Supports up to 3 detection regions, and independent arming schedule and linkage method Supports up to 8 detection regions, and independent arming schedule and linkage method
Queue Management	Supports 2 detection modes: regional people queuing-up, waiting time detection Generates reports to compare the efficiency of different queuing-ups and display the changing status of one queue Supports raw data export for further analysis Supports real-time data uploading and scheduled data uploading Regional people queuing-up: supports 4 alarm trigger conditions, including greater than threshold, less than threshold, equal to threshold, not equal to threshold Waiting time detection: supports 1 alarm trigger condition, including greater than threshold
Heat Map	A graphic description of visits (by calculating amount of people or amount of dwell time) in a configured area., Two report types are available, space heat map and time heat map line chart.
Intersection Analysis	Detects and analyze flow in an intersection-like scene, and generate reports Support one intersection of up to 10 ways

General

Power	12 VDC ± 20%, 1 A, max. 11.5 W,two-core terminal block, PoE: IEEE 802.3af, Class 3, max. 12.5 W
Material	Metal
Dimension	Ø140.3 mm × 59.4 mm (Ø5.5" × 2.3")
Package Dimension	260 mm × 230 mm × 135 mm (10.2" × 9.1" × 5.3")

Weight	Approx. 715 g (1.58 lb.)
With Package Weight	Approx. 1206 g (2.66 lb.)
Storage Conditions	-40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing)
Language	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
General Function	Heartbeat,flash log,password reset via email,password protection,one-key reset,anti-banding
Heater	Yes
Cable Length	0.31 m (1.02 ft.)

Approval

EMC	CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021, EN 50121-4: 2016+A1:2019, RCM: AS/NZS CISPR 32: 2015, IC: ICES-003: Issue 7, KC: KN32: 2015, KN35: 2015
Safety	UL: UL 62368-1, CB: IEC 62368-1: 2014+A11, CE-LVD: EN 62368-1: 2014/A11: 2017, BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005
Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006
Protection	IP67: IEC 60529-2013,IK10: IEC 62262:2002

▪ Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain.

No specific protection	Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.

• Physical Interface

No.	Interface Description
1	Network Interface
2	Power Interface
3	Alarm Interface, RS-485
4	Audio Output Interface
5	Audio Input Interface
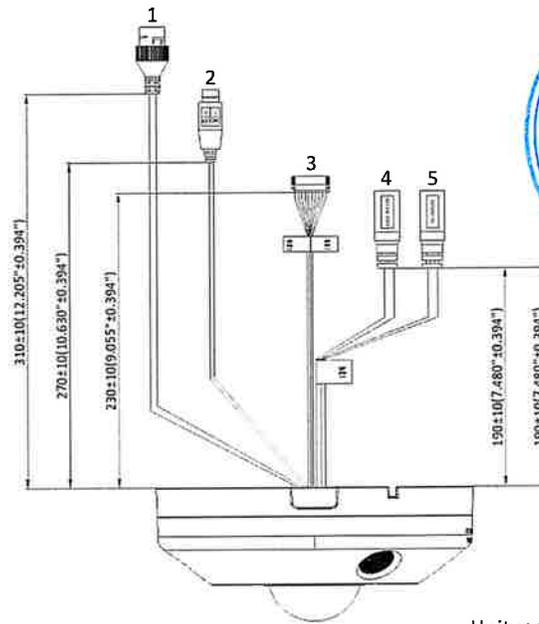
Unit:mm(inch)

• Available Model
DS-2CD6365G1-IVS(1.16mm)

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▪Dimension

4-Ø4.5(Ø0.177")

59.4(2.339")

46(1.811")

83.5(3.287")

Ø140.3(Ø5.524")

Ø95.4(Ø3.756")

Unit:mm(inch)

3-120°

Camera Mounting Hole(mm)	Camera Mounting Hole(inch)
4xØ4.5	4xØ0.177"
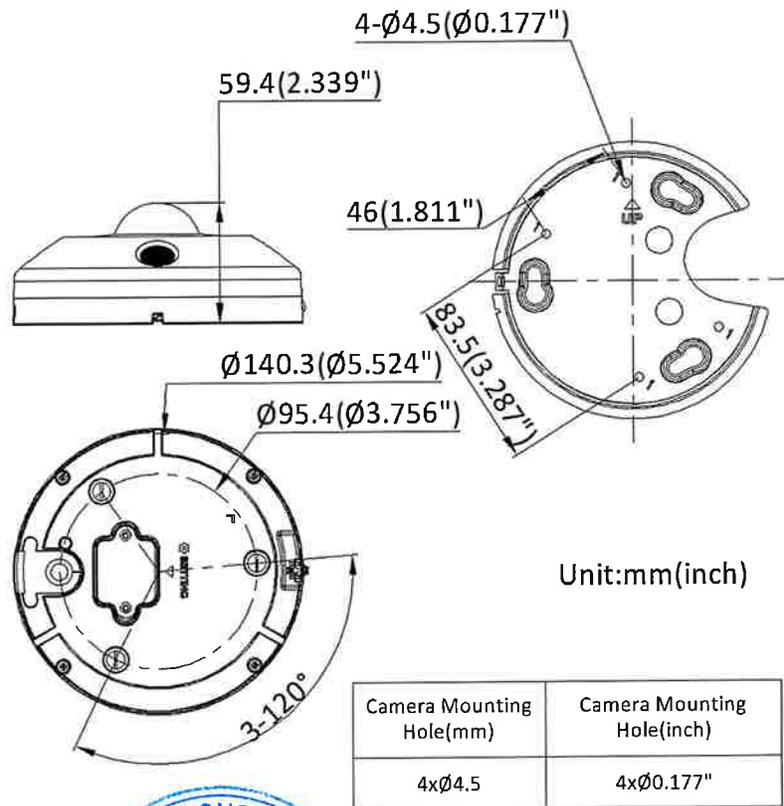
▪ Accessory

▪Optional

DS-1273ZJ-140	DS-1273ZJ-140B	DS-1271ZJ-140	DS-1275ZJ-SUS	DS-1276ZJ-SUS
Wall mount	Wall mount	Pendant Mount	Vertical pole mount	Corner mount

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DS-2280ZJ-WA140
Junction box

It is recommended to use DS-1276ZJ-SUS and DS-1275ZJ-SUS with DS-1273ZJ-140 or DS-1273ZJ-140B.

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See Far, Go Further

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HIKVISION

DS-3E1520HP-SI-16P2T2F
Smart Gigabit PoE Pro-Series
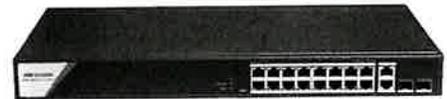
Smart managed switches are developed by Hikvision, featuring easy management and maintenance. You can easily deploy, monitor and expand your security system anytime and anywhere with our software platforms. You can view the network topology, monitor the health of the network and receive device alarms in real time, which greatly reduces the cost of network operation and maintenance.

- 16 x 10/100/1000 PoE Ports, 2 × 10/100/1000 Mbps RJ45, 2 x 10/100/1000 Mbps SFP

- Total PoE Power Budget 230 W

- Support 802.1Q VLAN

- Support 802.3bt Hi-PoE, Max. 90W for one port

- Support STP/RSTP Loop prevention, storm control

- Support cable detection to locate failure

- Support SNMP, QoS, DHCP snooping

- 6 kV Surge Protection

▪ Specification

General

Shell	Metal material
Net Weight	2.735 kg (6.03 lb)
Gross Weight	3.31 kg (7.30 lb)
Dimensions (W × H × D)	440 mm × 44 mm × 220.8 mm (17.32" × 1.73" × 8.69")
Operating Temperature	0 °C to 45 °C (0 °F to 113 °F)
Storage Temperature	-40 °C to 85 °C (-40 °F to 185 °F)
Operating Humidity	5% to 95% (no condensation)
Relative Humidity	5% to 95% (no condensation)
Power Supply	100~240 V 50/60 Hz 4 A
Installation Mode	Desk-Mounted,Rack (equipped with mounting ears)
Max. Power Consumption	250 W
Power Consumption in Idle	20 W
Surge Protection	6 kV

Network Parameters

Ports	16 × Gigabit PoE port,2 × Gigabit RJ45 port,2 × Gigabit fiber optical port
MAC Address Table	8 K
Switching Capacity	Whole-Device Performance: 56 Gbps Port Performance: 40 Gbps
Packet Forwarding Rate	Whole-Device Performance: 29.76 Mpps Port Performance: 41.66 Mpps
Internal Cache	4.1 Mbits

PoE Power Supply

PoE Standard	Ports 1 to 4: IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt Ports 5 to 16: IEEE 802.3af, IEEE 802.3at
PoE Power Pin	Ports 1 to 4: 8-pin power: 1/2(-), 3/6(+), 4/5(+), 7/8(-) Ports 5 to 16: End-span: 1/2(-), 3/6(+)
PoE Port	Hi-PoE: Ports 1 to 4 PoE: Ports 5 to 16
Max. Port Power	Ports 1 to 4: 90 W Ports 5 to 16: 30 W
PoE Power Budget	230 W

Software Function

Long Range	Ports 1 to 16: up to 300 m. Long range performance may vary depend on camera model or cable condition.
Port Isolation	Ports 1 to 20: port isolation mode to improve network security Ports in an isolation group cannot communicate with each other, but they can communicate with ports outside the isolation group.
PoE Watchdog	Ports 1 to 16: auto detect and restart the cameras that do not respond.
Link Aggregation	Link aggregation is used to aggregate multiple physical ports to form a logical port for load balancing, bandwidth expansion, and port protection. Support static link aggregation. Support 8 aggregation groups.

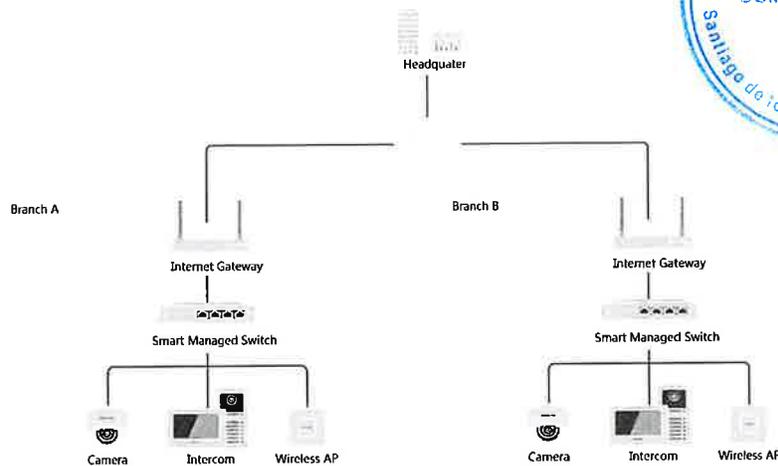|	
Loop Prevention	Loop prevention is used to prevent the switching network from forming loops, which will seriously affect network communication. Disabled by default. Support 802.1D STP. Suppport 802.1w RSTP.
QoS	QoS is used to allocate bandwidth to different services so as to provide end-to-end service quality assurance. Support port-based priority configuration. Support SP, WRR priority schedule mode.
VLAN	VLAN is used for network scale planning and network health improvement. Support 802.1Q. Configurable VLAN ID from 1-4094. Support Trunk, Access port mode. Support Max. 4094 VLAN.
HPP	Support one-click activation and remote management via Hik-Partner Pro. Functions supported: 1. Display the port rate. 2. Display the port bandwidth utilization rate. 3. Display the PoE power usage. 4. Display topology information. 5. Display the alarm status. 6. Restart ports and devices. 7. Enable port long-rage mode. 8. Remotely upgrade the device.
System Maintenance	Support device management via web. Support DHCP Client. Enabled by default for dynamic assignment of management IP addresses. Support Super IP, which is a fixed IP address (10.180.190.200) for direct access. Support management via Hik-Central Pro. Support remote management via Hik-Partner Pro. Support cable detection. Abnormal open circuits and short circuits as well as network cable length can be detected. Supports 802.1ab LLDP for peer device discovery. Support SNMP v1/v2c for third-party management platform access. Support port mirroring for fault locating.
Port Rate-Limiting	Port rate-limiting is used for port bandwidth adjustment to prevent network congestion.
Storm Control	Storm control is used to prevent switch ports from being blocked by broadcast or multicast storms in the LAN, which may affect network communication. Support port rate limiting based on broadcast, multicast, and unknown unicast packets.
DHCP Snooping	DHCP Snooping can prevent unauthorized connections to DHCP servers from disrupting the network and affecting normal network communication, and only allow DHCP packets from trusted ports to pass through. Disabled by default. Port security strategy.
ACL	Support up to 64 ACL entries. Support up to 128 configuration rules under all ACL entries.

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IPSG	IPSG can control the security of port access device. Support port, MAC, IP binding. Support 256 security entries.
Approval	
EMC	CE-EMC (EN 55032: 2015+A11: 2020, EN IEC 61000-3-2: 2019, EN 61000-3-3: 2013+A1: 2019, EN 50130-4: 2011+A1: 2014, EN 55035: 2017+A11: 2020),IC (ICES-003: Issue 7:2020),RCM (AS/NZS CISPR 32: 2015)
Safety	CB (AMD1:2009, AMD2:2013, IEC 62368-1: 2014 (Second Edition)), CE-LVD (EN 62368-1: 2014+A11: 2017)
Chemistry	CE-RoHS (2011/65/EU),WEEE (2012/19/EU),Reach (Regulation (EC) No.1907/2006)

▪ Available Model

DS-3E1520HP-SI-16P2T2F

▪ Typical Application

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▪ Physical Interface

Front Panel

Rear Panel

No.	Indicator/ Port	Description
①	PoE-MAX Indicator	• Solid on/Flashing: The output power of the switch is about to reach or has reached the upper limit. The power supply may be abnormal if more devices are connected. • Unlit: The switch does not supply power to a powered device (PD), or supplies power to a PD normally and its output power does not reach the upper limit. Note: The PoE-MAX indicator will be unlit in 5 seconds after the output power of the switch returns to normal.
②	Gigabit RJ45 Port Indicator	• Solid on: The gigabit RJ45 port is connected. • Flashing: The gigabit RJ45 port is transmitting data. • Unlit: The gigabit RJ45 port is disconnected or connection is abnormal.
③	Reset Button	Press and hold the reset button for about 5 seconds to restore all the configurations of the switch to default settings.
④	LINK/ACT Indicator	• Solid on: The port is connected. • Flashing: The port is transmitting data. • Unlit: The port is disconnected or connection is abnormal.
⑤	PoE Indicator	• Solid on: The switch provides power supply to a PD normally. • Unlit: The switch is disconnected to a PD, or provides power supply to a PD abnormally.
⑥	Gigabit PoE RJ45 Port	Used for connection to a PD via a network cable. Note: Ports 1 to 4 of 1520HP series switches are Hi-PoE RJ45 ports, which can be connected to high-power devices.
⑦	Gigabit RJ45 Port	Used for connection to another device via a network cable.
⑧	Gigabit SFP Fiber Optical Port	Used for connection to another device via an optical fiber when plugged into with an optical module.
⑨	PWR Indicator	• Solid on: The switch is powered on normally. • Unlit: No power supply is connected or power supply is abnormal.
⑩	Gigabit SFP Fiber Optical Port Indicator	• Solid on: The gigabit SFP fiber optical port is connected. • Flashing: The gigabit SFP fiber optical port is transmitting data. • Unlit: The gigabit SFP fiber optical port is disconnected or connection is abnormal.
⑪	Grounding Terminal	Used for connecting to the grounding cable to protect the switch from lightning.
⑫	Power Supply	Use the attached power cord to connect the switch to a socket.

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▪**Dimension**

440 [17.32]

44 [1.73]

220.8 [8.69]

—3xM3

2.03 [0.08]
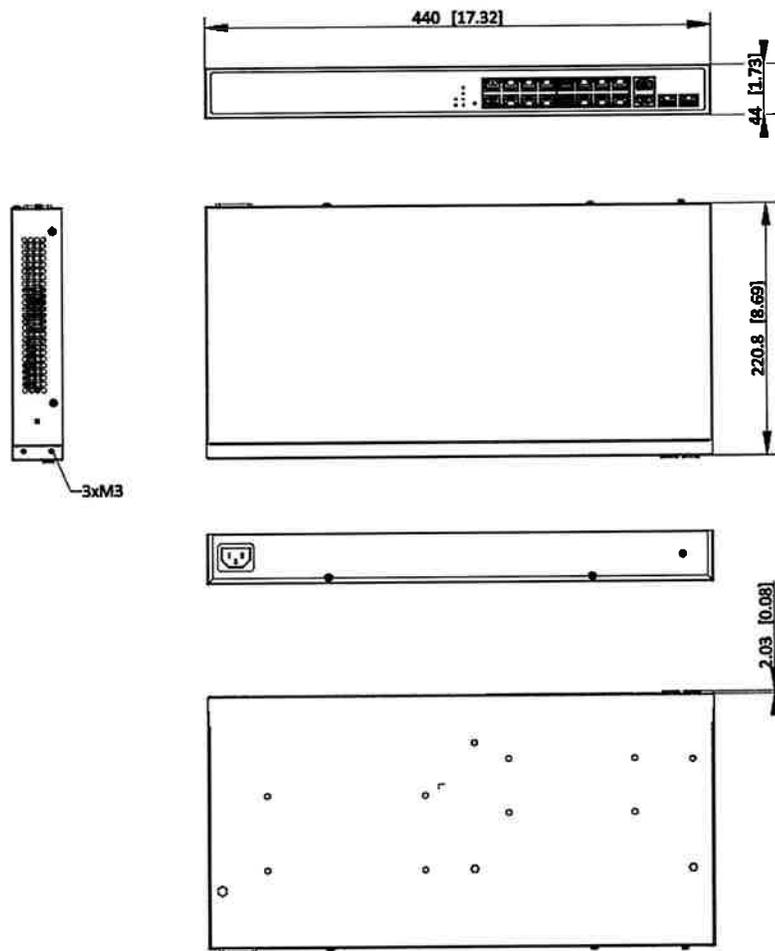
Unit: mm [inch]

| SCALE | 1:1 |

See Far, Go Further

HIKVISION

DS-3E1528HP-SI-24P2T2F
Smart Gigabit PoE Pro-Series

Smart managed switches are developed by Hikvision, featuring easy management and maintenance. You can easily deploy, monitor and expand your security system anytime and anywhere with our software platforms. You can view the network topology, monitor the health of the network and receive device alarms in real time, which greatly reduces the cost of network operation and maintenance.

- 24 x 10/100/1000 Mbps PoE Ports, 2 × 10/100/1000 Mbps RJ45, 2 x 10/100/1000 Mbps SFP

- Total PoE Power Budget 370 W

- Support 802.1Q VLAN

- Support 802.3bt Hi-PoE, Max. 90W for one port

- Support STP/RSTP Loop prevention, storm control

- Support cable detection to locate failure

- Support SNMP, QoS, DHCP snooping

- 6 kV Surge Protection

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▪ Specification

General

Shell	Metal material
Net Weight	2.975 kg (6.56 lb)
Gross Weight	3.535 kg (7.79 lb)
Dimensions (W × H × D)	440 mm × 44 mm × 220.8 mm (17.32" × 1.73" × 8.69")
Operating Temperature	0 °C to 45 °C (0 °F to 113 °F)
Storage Temperature	-40 °C to 85 °C (-40 °F to 185 °F)
Operating Humidity	5% to 95% (no condensation)
Relative Humidity	5% to 95% (no condensation)
Power Supply	100~240 V 50/60 Hz 6.3 A
Installation Mode	Desk-Mounted,Rack (equipped with mounting ears)
Max. Power Consumption	400 W
Power Consumption in Idle	30 W
Surge Protection	6 kV

Network Parameters

Ports	24 × Gigabit PoE port,2 × Gigabit RJ45 port,2 × Gigabit fiber optical port
MAC Address Table	8 K
Switching Capacity	Whole-Device Performance: 56 Gbps Port Performance: 56 Gbps
Packet Forwarding Rate	Whole-Device Performance: 41.66 Mpps Port Performance: 41.66 Mpps
Internal Cache	4.1 Mbits

PoE Power Supply

PoE Standard	Ports 1 to 4: IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt Ports 5 to 24: IEEE 802.3af, IEEE 802.3at
PoE Power Pin	Ports 1 to 4: 8-pin power: 1/2(-), 3/6(+), 4/5(+), 7/8(-) Ports 5 to 24: End-span: 1/2(-), 3/6(+)
PoE Port	Hi-PoE: Ports 1 to 4 PoE: Ports 5 to 24
Max. Port Power	Ports 1 to 4: 90 W Ports 5 to 24: 30 W
PoE Power Budget	370 W

Software Function

Long Range	Ports 1 to 24: up to 300 m. Long range performance may vary depend on camera model or cable condition.
Port Isolation	Ports 1 to 28: port isolation mode to improve network security Ports in an isolation group cannot communicate with each other, but they can communicate with ports outside the isolation group.
PoE Watchdog	Ports 1 to 24: auto detect and restart the cameras that do not respond.
Link Aggregation	Link aggregation is used to aggregate multiple physical ports to form a logical port for load balancing, bandwidth expansion, and port protection. Support static link aggregation. Support 8 aggregation groups.

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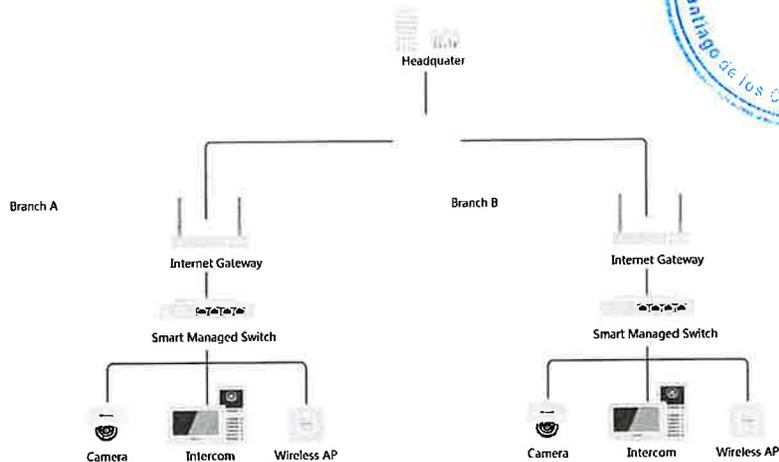|	
Loop Prevention	Loop prevention is used to prevent the switching network from forming loops, which will seriously affect network communication. Disabled by default. Support 802.1D STP. Suppport 802.1w RSTP.
VLAN	VLAN is used for network scale planning and network health improvement. Support 802.1Q. Configurable VLAN ID from 1-4094. Support Trunk, Access port mode. Support Max. 4094 VLAN.
QoS	QoS is used to allocate bandwidth to different services so as to provide end-to-end service quality assurance. Support port-based priority configuration. Support SP, WRR priority schedule mode.
HPP	Support one-click activation and remote management via Hik-Partner Pro. Functions supported: 1. Display the port rate. 2. Display the port bandwidth utilization rate. 3. Display the PoE power usage. 4. Display topology information. 5. Display the alarm status. 6. Restart ports and devices. 7. Enable port long-rage mode. 8. Remotely upgrade the device.
System Maintenance	Support device management via web. Support DHCP Client. Enabled by default for dynamic assignment of management IP addresses. Support Super IP, which is a fixed IP address (10.180.190.200) for direct access. Support management via Hik-Central Pro. Support remote management via Hik-Partner Pro. Support cable detection. Abnormal open circuits and short circuits as well as network cable length can be detected. Supports 802.1ab LLDP for peer device discovery. Support SNMP v1/v2c for third-party management platform access. Support port mirroring for fault locating.
Port Rate-Limiting	Port rate-limiting is used for port bandwidth adjustment to prevent network congestion.
Storm Control	Storm control is used to prevent switch ports from being blocked by broadcast or multicast storms in the LAN, which may affect network communication. Support port rate limiting based on broadcast, multicast, and unknown unicast packets.
DHCP Snooping	DHCP Snooping can prevent unauthorized connections to DHCP servers from disrupting the network and affecting normal network communication, and only allow DHCP packets from trusted ports to pass through. Disabled by default.
ACL	Port security strategy. Support up to 64 ACL entries. Support up to 128 configuration rules under all ACL entries.

IPSG	IPSG can control the security of port access device.
	Support port, MAC, IP binding.
	Support 256 security entries.

Approval	
EMC	CE-EMC (EN 55032: 2015+A11: 2020, EN IEC 61000-3-2: 2019, EN 61000-3-3: 2013+A1: 2019, EN 50130-4: 2011+A1: 2014, EN 55035: 2017+A11: 2020),IC (ICES-003: Issue 7:2020),RCM (AS/NZS CISPR 32: 2015)
Safety	CB (AMD1:2009, AMD2:2013, IEC 62368-1: 2014 (Second Edition)), CE-LVD (EN 62368-1: 2014+A11: 2017)
Chemistry	CE-RoHS (2011/65/EU),WEEE (2012/19/EU),Reach (Regulation (EC) No.1907/2006)

Available Model

DS-3E1528HP-SI-24P2T2F

Typical Application

• Physical Interface

Front Panel

Rear Panel

No.	Indicator/ Port	Description
①	PoE-MAX Indicator	• Solid on/Flashing: The output power of the switch is about to reach or has reached the upper limit. The power supply may be abnormal if more devices are connected. • Unlit: The switch does not supply power to a powered device (PD), or supplies power to a PD normally and its output power does not reach the upper limit. Note: The PoE-MAX indicator will be unlit in 5 seconds after the output power of the switch returns to normal.
②	Gigabit RJ45 Port Indicator	• Solid on: The gigabit RJ45 port is connected. • Flashing: The gigabit RJ45 port is transmitting data. • Unlit: The gigabit RJ45 port is disconnected or connection is abnormal.
③	Reset Button	Press and hold the reset button for about 5 seconds to restore all the configurations of the switch to default settings.
④	LINK/ACT Indicator	• Solid on: The port is connected. • Flashing: The port is transmitting data. • Unlit: The port is disconnected or connection is abnormal.
⑤	PoE Indicator	• Solid on: The switch provides power supply to a PD normally. • Unlit: The switch is disconnected to a PD, or provides power supply to a PD abnormally.
⑥	Gigabit PoE RJ45 Port	Used for connection to a PD via a network cable. Note: Ports 1 to 4 of 1528HP series switches are Hi-PoE RJ45 ports, which can be connected to high- power devices.
⑦	Gigabit RJ45 Port	Used for connection to another device via a network cable.
⑧	Gigabit SFP Fiber Optical Port	Used for connection to another device via an optical fiber when plugged into with an optical module.
⑨	PWR Indicator	• Solid on: The switch is powered on normally. • Unlit: No power supply is connected or power supply is abnormal.
⑩	Gigabit SFP Fiber Optical Port Indicator	• Solid on: The gigabit SFP fiber optical port is connected. • Flashing: The gigabit SFP fiber optical port is transmitting data. • Unlit: The gigabit SFP fiber optical port is disconnected or connection is abnormal.
⑪	Grounding Terminal	Used for connecting to the grounding cable to protect the switch from lightning.
⑫	Power Supply	Use the attached power cord to connect the switch to a socket.

- **Dimension**

440 [17.32]

44 [1.73]

220.8 [8.69]

3xM3

2 [0.08]

Unit: mm [inch]

See Far, Go Further

179
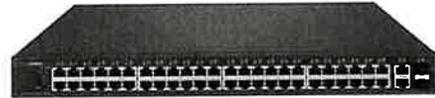
HIKVISION

DS-3E1552P-SI
48 Port Gigabit Smart PoE Switch

Smart managed switches are developed by Hikvision, featuring easy management and maintenance. You can easily deploy, monitor and expand your surveillance system anytime and anywhere with our software platforms. You can view the network topology, monitor the health of the network and receive device alarms in real time, which greatly reduces the cost of network operation and maintenance.

- 48 x 10/100/1000M PoE Ports, 2 x gigabit RJ45, 2 x gigabit SFP

- Total PoE Power Budget 470 W

- Support energy saving mode with user-configurable plans

- Support IEEE 802.1Q VLAN tagging

- Support STP/RSTP/ERPS loop prevention with storm control

- Support cable detection to locate failure

- Support SNMP, QoS, DHCP snooping, and ARP anti-spoofing

- Support 6 kV surge protection

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4

HIKVISION

▪ Specification

General

Shell	Metal material
Net Weight	4.35 kg (9.59 lb)
Gross Weight	4.5 kg (9.92 lb)
Dimensions (W × H × D)	440.00 mm × 44.00 mm × 323.80 mm (17.32" × 1.73" × 12.71")
Operating Temperature	0 °C to 45 °C (0 °F to 113 °F)
Storage Temperature	-40 °C to 85 °C (-40 °F to 185 °F)
Operating Humidity	5% to 95% (no condensation)
Relative Humidity	5% to 95% (no condensation)
Power Supply	100 to 240 V AC, 50/60 Hz, Max. 7.5 A
Installation Mode	Rack (equipped with mounting ears)
Max. Power Consumption	500 W
Power Consumption in Idle	30 W
Surge Protection	6 kV

Network Parameters

Ports	48 × Gigabit PoE port,2 × Gigabit RJ45 port,2 × Gigabit fiber optical port
MAC Address Table	16 K
Switching Capacity	104 Gbps
Packet Forwarding Rate	77.38 Mpps
Internal Cache	12 Mbits

PoE Power Supply

PoE Standard	IEEE 802.3af,IEEE 802.3at
PoE Power Pin	8-pin power: 1/2(-), 3/6(+), 4/5(+), 7/8(-)
PoE Port	PoE: Ports 1 to 48
Max. Port Power	30 W
PoE Power Budget	470 W

Software Function

Long Range	Ports 1 to 48: up to 300 m. Long range performance may vary depend on camera model or cable condition.
Port Isolation	Ports 1 to 52: port isolation mode to improve network security. Ports in an isolation group cannot communicate with each other, but they can communicate with ports outside the isolation group.
PoE Watchdog	Ports 1 to 48: auto detect and restart the cameras that do not respond.
Link Aggregation	Link aggregation is used to aggregate multiple physical ports to form a logical port for load balancing, bandwidth expansion, and port protection. Support static link aggregation. Support 8 aggregation groups.
QoS	QoS is used to allocate bandwidth to different services so as to provide end-to-end service quality assurance. Support port-based priority configuration. Support SP, WRR priority schedule mode.

Loop Prevention	Loop prevention is used to prevent the switching network from forming loops, which will seriously affect network communication. Disabled by default. Support 802.1D STP. Support 802.1w RSTP. Support G.8032 ERPS.
VLAN	VLAN is used for network scale planning and network health improvement. Support 802.1Q. Configurable VLAN ID from 1-4094. Support Trunk, Access port mode. Support Max. 4094 VLAN.
HPP	Support one-click activation and remote management via Hik-Partner Pro. Functions supported: 1. Display the port rate. 2. Display the port bandwidth utilization rate. 3. Display the PoE power usage. 4. Display topology information. 5. Display the alarm status. 6. Restart ports and devices. 7. Enable port long-rage mode. 8. Remotely upgrade the device. Support device management via web.
System Maintenance	Support DHCP Client. Enabled by default for dynamic assignment of management IP addresses. Support Super IP, which is a fixed IP address (10.180.190.200) for direct access. Support management via Hik-Central Pro. Support remote management via Hik-Partner Pro. Support cable detection. Abnormal open circuits and short circuits as well as network cable length can be detected. Supports 802.1ab LLDP for peer device discovery. Support port mirroring for fault locating.
Port Rate-Limiting	Port rate-limiting is used for port bandwidth adjustment to prevent network congestion.
Storm Control	Storm control is used to prevent switch ports from being blocked by broadcast or multicast storms in the LAN, which may affect network communication. Support port rate limiting based on broadcast, multicast, and unknown unicast packets.
DHCP Snooping	DHCP Snooping can prevent unauthorized connections to DHCP servers from disrupting the network and affecting normal network communication, and only allow DHCP packets from trusted ports to pass through. Disable by default.
ACL	Port security strategy. Support up to 64 ACL entries. Support up to 128 configuration rules under all ACL entries.
IPSG	IPSG can control the security of port access device. Support port, MAC, IP binding. Support 256 security entries.

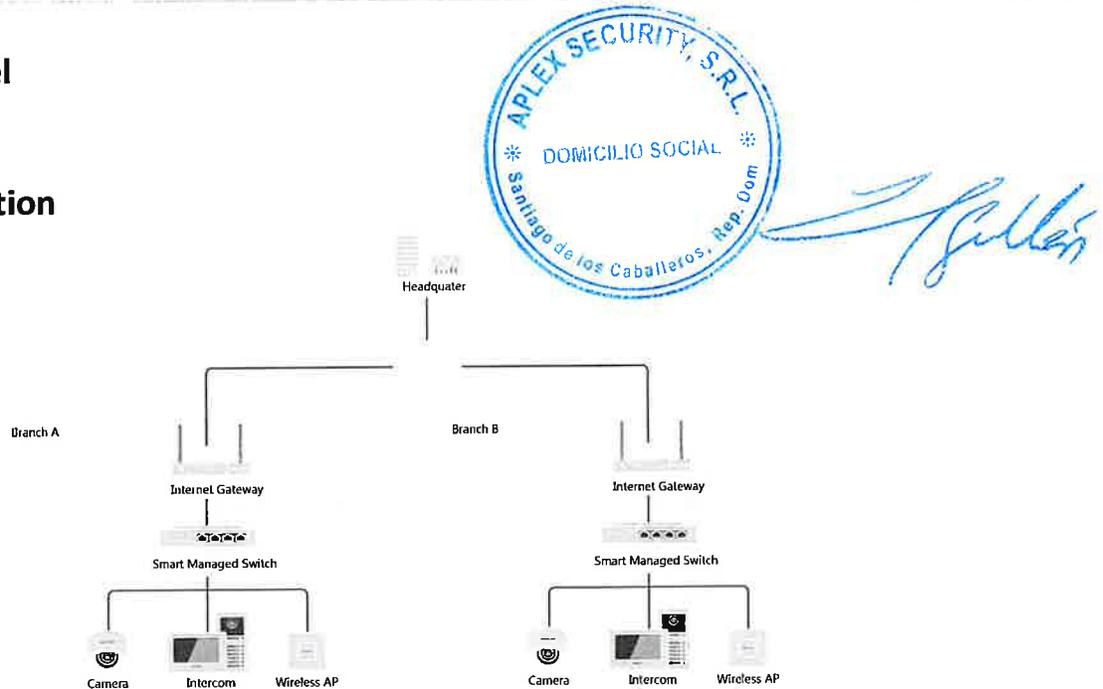| Approval	
EMC	CE-EMC (EN 55032: 2015+A11: 2020, EN IEC 61000-3-2: 2019, EN 61000-3-3: 2013+A1: 2019, EN 50130-4: 2011+A1: 2014, EN 55035: 2017+A11: 2020)
Safety	CB (AMD1:2009, AMD2:2013, IEC 62368-1: 2014 (Second Edition), CE-LVD (EN 62368-1: 2014+A11: 2017)
Chemistry	CE-RoHS (201165EU); WEEE (201219EU); Reach (Regulation (EC) No.19072006)

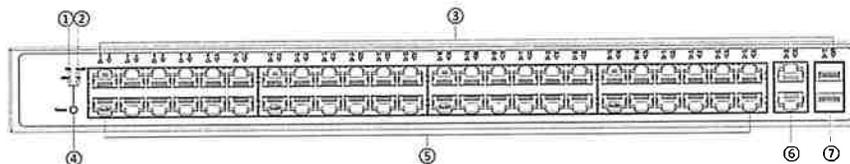## ▪ Available Model

DS-3E1552P-SI

▪ Typical Application

## ▪ Physical Interface

Front Panel

Rear Panel

No.	Indicator/Port	Description
①	PWR Indicator	● Solid: The switch is powered on normally. ● Unlit: No power supply connected or power supply is abnormal.
②	PoE-MAX Indicator	● Solid on: The output power of the switch is about to reach or has reached the upper limit. The power supply may be abnormal if more devices are connected. ● Unlit: The switch supplies power to a powered device (PD) normally and its output power does not reach the upper limit. Note: The PoE-MAX indicator will be unlit in 5 seconds after the output power of the switch returns to normal.

		• Flashing: The port is transmitting data. • Unlit: The port is disconnected or connection is abnormal.
③	PoE Indicator	• Solid: The switch provides power supply to PD normally. • Unlit: The switch is disconnected to PD, or provides power supply to PD abnormally.
④	Reset Button (Long Press)	Press and hold the reset button for more than 5 seconds to restore all the configurations of the switch to default settings.
④	Indicator Switching Button (Short Press)	• Press on it until LINK/ACT indicator lighting, which shows a port's data transmission status. • Press on it until PoE indicator lighting, which shows a PoE port's power supply status.
⑤	Gigabit PoE RJ45 Port	Used for connection to a PD via a network cable.
⑥	Gigabit RJ45 Port	Used for connection to another device via a network cable.
⑦	Gigabit SFP Fiber Optical Port	Used for connection to another device via an optical fiber when plugged into with an optical module.
⑧	Grounding Terminal	Used for connecting to the grounding cable to protect the switch from lightning.
⑨	Power Supply	Use the attached power cord to connect the switch to a socket.
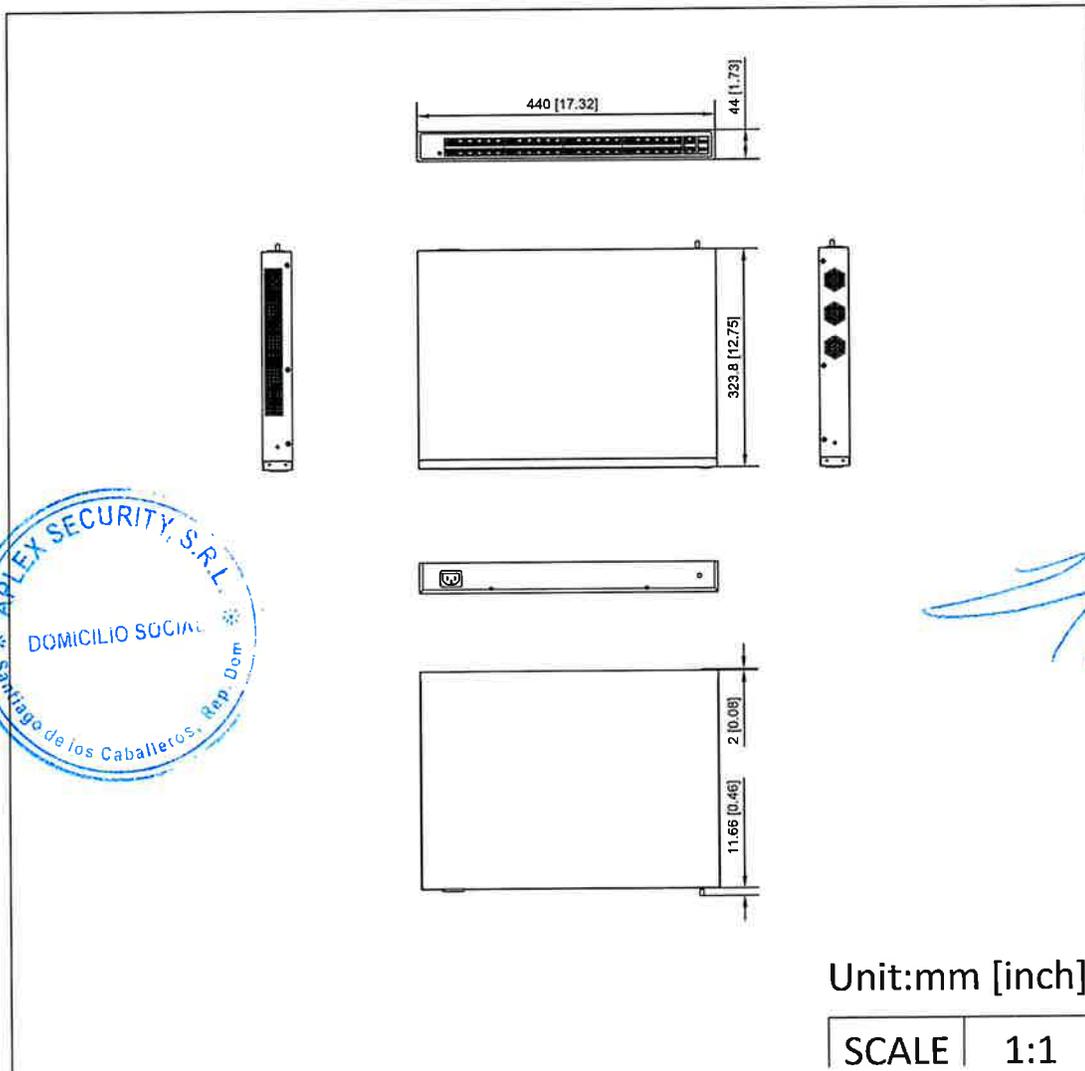
▪Dimension

Unit:mm [inch]

SCALE	1:1

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See Far, Go Further

P/N:WCE   CABINET,E style,wall mount.
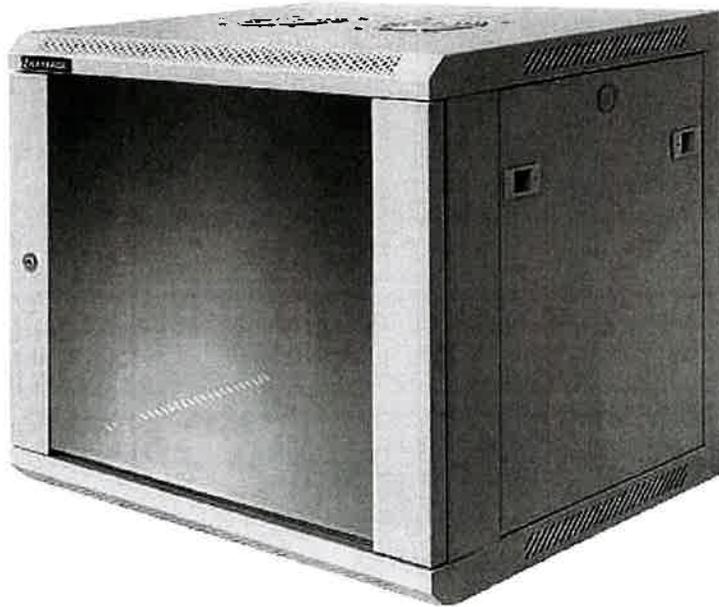
WCE CABINET
CABINET & ENCLOSURE

STANDARD

Comply with ANSI/EIA RS-310-D, DIN41491; PART1, IEC297-2, DIN41494; PART7, GB/T3047.2-92 standard.
Compatible with metric, ETSI and 19' international standard.

FEATURES

- Exquisite design with precise dimension and craftsmanship.
- International popular smoky-gray glass front door.
- Loading capacity: 60KG.
- Top and bottom wiring channel could be closed.
- Removable front door and side panel, easily installing and maintaining
- Surface finish: Degreased, acid cleaned, phosphoric, water cleaned, electro-static powder coating, meet ROHS standard.
- Optional color: black/gray
- Optional accessories.

MATERIALS

Cool rolled steel
Thickness: mounting rail:1.2mm
Else in 0.8mm
Tempered smoky-gray glass with thickness of 5mm.

APPLICATION

Widely used in network system, educational system, broadcasting system and telecommunication system. Suitable for placing server computer and precision electronic equipments.

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CABINET & ENCLOSURE

LINKBASIC
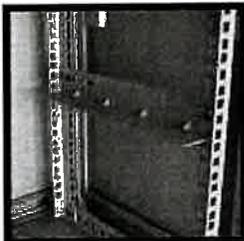
WCE CABINET   P/N:WCE

STANDARD ACCESSORIES (WCE)

S/N	Specification	Qty	Unit	Material	surface finish	Remark
1	Frame	1	Pcs	0.8mm cold rolled steel	Powder coated	—
2	Front door	1	Pcs	0.8mm cold rolled steel	—	B type door
3	Side door	2	Pcs	0.8mm cold rolled steel	Powder coated	With lock
4	lock	1	Pcs	—	—	—
5	Mounting rail	4	Pcs	1.2mm cold rolled steel	Powder coated	—
6	Mounting plate	1	Pcs	0.8mm cold rolled steel	Powder coated	—
7	Cable inlet cap	2	Pcs	0.8mm cold rolled steel	Powder coated	—
8	Screws &nuts	10	sets	—	—	—
9	wrench	1	Pcs	—	—	—

ORDER INFORMATION

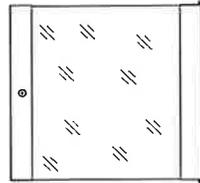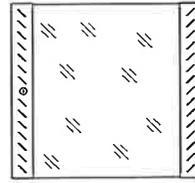| Part No	Capacity/U	Width/mm	Depth/mm	Height/mm	Carton measurement			Volume/CBM
					Width/m	Depth/m	Height/m	
WCE06-66-*☆	6U	600	600	368	0.67	0.52	0.43	0.19
WCE07-66-*☆	7U	600	600	416	0.67	0.52	0.47	0.21
WCE09-66-*☆	9U	600	600	505	0.67	0.52	0.56	0.25
WCE12-66-*☆	12U	600	600	638	0.67	0.52	0.70	0.31
WCE16-66-*☆	16U	600	600	816	0.67	0.52	0.89	0.37

RAMARKS

∗ = Front door

DOORS
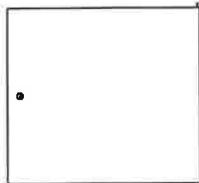
A=Steel Casement Door

B=Smoky-grey glass door

C=Smoky-gray glass door with frame punched
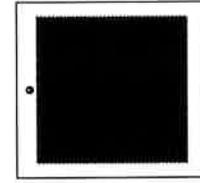
D=Perforation steel door with high ventilation level(hexagonal type)

COLOR
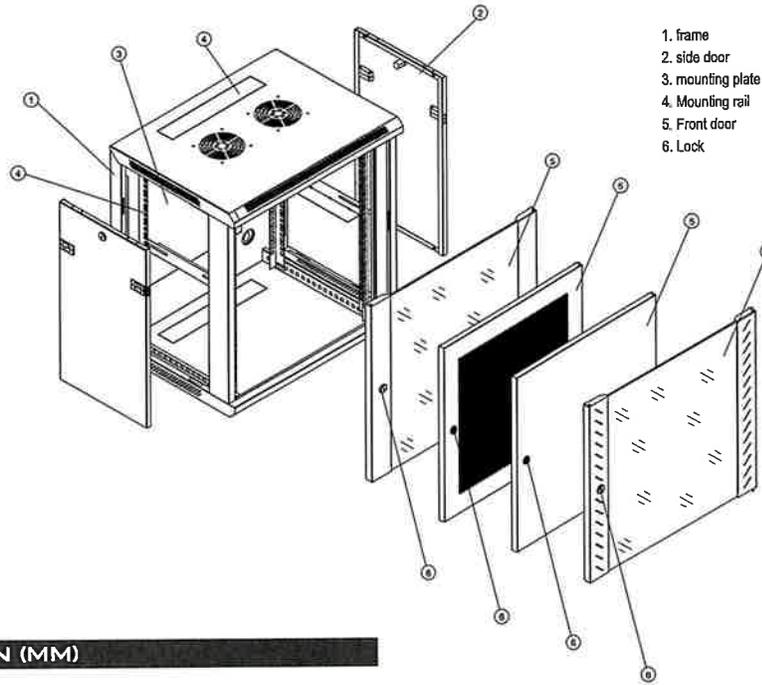
☆ = Colors   A= Black(RAL9004)   B=Gray(RAL7044)

WCE CABINET   P/N:WCE

STRUCTURAL(SPLIT TYPE)

1. frame
2. side door
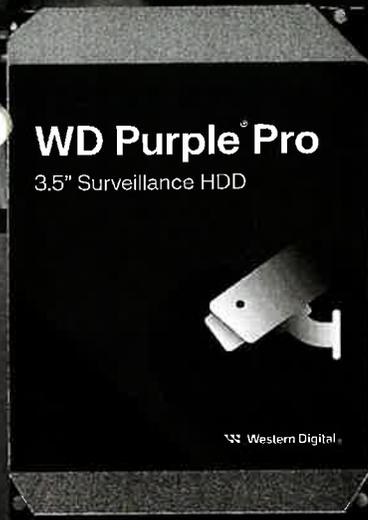3. mounting plate
4. Mounting rail
5. Front door
6. Lock

DIMENSION (MM)

Front

Side

Back

400

Hight

Depth=450
Depth=600

Width=600

Top

Front(without glass)

340

65

90

A-A Section

9.5X9.5

44,45

450
465

Mounting dimension

130

WD Purple® Pro
3.5" Surveillance HDD

SS Western Digital
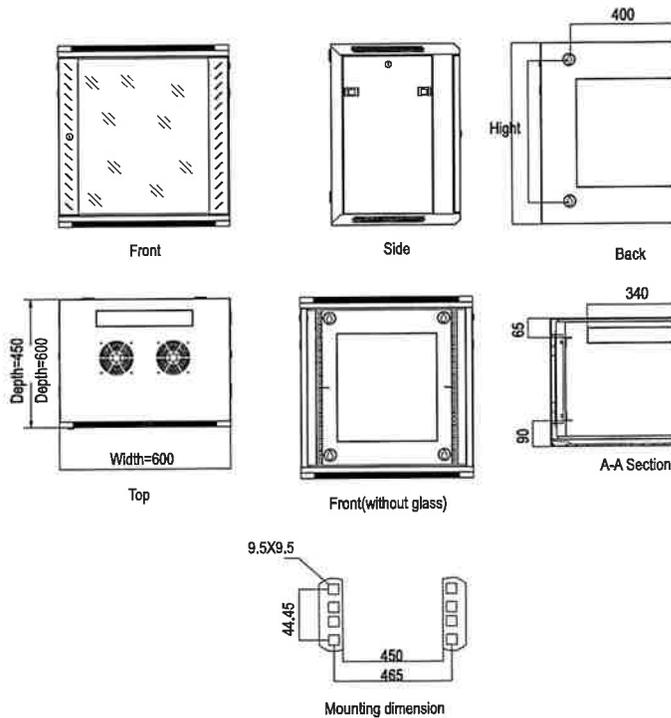
Highlights

- Up-to 26TB[1] capacity

- Enterprise-class reliability and performance

- 5-year limited warranty[8]

- 550TB[1] per year workload rating[6]

- Up-to 2.5 million hours Mean Time Between Failure (MTBF)[7]

- Innovative AllFrame™ AI technology helps reduce dropped frames

- Western Digital Device Analytics™ (WDDA) proactive health management

Ideal For:

- Advanced AI-Enabled Recorders

- Video Storage Servers

- Video Management Systems (VMS)

WD Purple® Pro
Smart Video Hard Drive

Professional Grade Storage for Smart Video Recording and AI Video Analytics

WD Purple® Pro delivers ultimate reliability and performance for the most demanding video recording and analytics environments.

Higher Capacity Drives for More Demanding Smart Video Solutions

WD Purple® Pro delivers big capacities (up to 26TB[1]) for larger scale deployments and longer-term video retention requirements.

Enterprise Class Reliability

True enterprise class drives designed with the highest level of reliability. With up to 2.5 million hours MTBF[7] and backed with a 5-year limited warranty[8], WD Purple® Pro is built for high-end video recorders and analytics servers.

High Performance for Simultaneous Video Recording and Real-Time AI Analysis

Modern cameras and AI-enabled recording systems send multiple streams of high-definition video, picture files and metadata to storage. WD Purple Pro drives deliver our highest level of performance for video storage and analysis.

Built for Advanced Smart Video Workloads

WD Purple Pro delivers higher workload capability up-to 550TB/year[6]. Keep up with heavy video data capture and AI analysis found in advanced video management systems.

Innovative AllFrame™ AI Technology

AllFrame™ AI technology intelligently guides video, picture and metadata streams to disk while helping to reduce dropped video frames.

Proactive Drive Health Insights with WDDA™

Western Digital Device Analytics™ (WDDA) monitors drive health and recommends action to improve drive operation. Requires compatible video recorder or system.

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WD Purple® Pro Smart Video Hard Drive

Specifications

Model number	WD260PURP	WD241PURP	WD221PURP	WD181PURP
Formatted capacity[1]	26TB	24TB	22TB	18TB
Form factor	3.5-inch	3.5-inch	3.5-inch	3.5-inch
Advanced Format (AF)	Yes	Yes	Yes	Yes
Interface	SATA	SATA	SATA	SATA
Recording Technology	CMR	CMR	CMR	CMR
Drive Technology	Helium	Helium	Helium	Helium
RV Sensors	Yes	Yes	Yes	Yes
RoHS compliant[2]	Yes	Yes	Yes	Yes
Product Features				
Maximum drive bays supported	No Limit	No Limit	No Limit	No Limit
Camera Support[3]	Up to 64 HD	Up to 64 HD	Up to 64 HD	Up to 64 HD
AI Streams	32	32	32	32
Firmware Feature Name	AllFrame AI	AllFrame AI	AllFrame AI	AllFrame AI
Tarnish resistant components	Yes	Yes	Yes	Yes
Performance				
Interface transfer rate (max) Buffer to host	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s
Internal transfer rate (max)[4]	287 MB/s	287 MB/s	265 MB/s	272 MB/s
Cache (MB)[1]	512 MB	512 MB	512 MB	512 MB
RPM	7200	7200	7200	7200
Reliability/Data Integrity				
Load/unload cycles[5]	600,000	600,000	600,000	600,000
Annualized Workload Rate[6] (TB/year)	Up to 550 TB/year	Up to 550 TB/year	Up to 550 TB/year	Up to 550 TB/year
Non-recoverable read errors per bits read	<1 in 10^{15}	<1 in 10^{15}	<1 in 10^{15}	<1 in 10^{15}
MTBF[7] (hours)	2,500,000	2,500,000	2,500,000	2,500,000
Limited warranty (years)[8]	5 years	5 years	5 years	5 years
Power Management				
Average Power (W)[9] Read/Write	6.2 W	6.2 W	6.9 W	6.3 W
Idle	5.7 W	5.7 W	5.6 W	5.9 W
Standby/Sleep	1.1 W	1.1 W	1.2 W	0.9 W
Environmental Specifications				
Temperature Operating	5°C to 65°C	5°C to 65°C	0°C to 65°C	0°C to 65°C
Non-operating	-40°C to 70°C	-40°C to 70°C	-40°C to 70°C	-40°C to 70°C
Shock Operating (2 ms, read/write)	40Gs	40Gs	40Gs	50Gs
Operating (2 ms, read)	40Gs	40Gs	40Gs	50Gs
Non-operating (2 ms)	200Gs	200Gs	200Gs	250Gs
Acoustics (dBA)				
Idle dBA	25	25	20	20
Seek (average) dBA	32	32	32	36
Physical Dimensions				
Height (max) (in / mm)	1.028 / 26.1	1.028 / 26.1	1.028 / 26.1	1.028 / 26.1
Length (max) (in / mm)	5.787 / 147	5.787 / 147	5.787 / 147	5.787 / 147
Width (± .01 in.) (in / mm)	4 / 101.6	4 / 101.6	4 / 101.6	4 / 101.6
Weight (± 3%) (lb / kg)	1.47 / 0.67	1.47 / 0.67	1.48 / 0.67	1.52 / 0.69

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WD Purple® Pro Smart Video Hard Drive

Specifications

Model number	WD142PURP	WD122PURP	WD102PURP	WD8002PURP
Formatted capacity[1]	14TB	12TB	10TB	8TB
Form factor	3.5-inch	3.5-inch	3.5-inch	3.5-inch
Advanced Format (AF)	Yes	Yes	Yes	Yes
Interface	SATA	SATA	SATA	SATA
Recording Technology	CMR	CMR	CMR	CMR
Drive Technology	Helium	Air	Air	Air
RV Sensors	Yes	Yes	Yes	Yes
RoHS compliant[2]	Yes	Yes	Yes	Yes
Product Features				
Maximum drive bays supported	No Limit	No Limit	No Limit	No Limit
Camera Support[3]	Up to 64 HD	Up to 64 HD	Up to 64 HD	Up to 64 HD
AI Streams	32	32	32	32
Firmware Feature Name	AllFrame AI	AllFrame AI	AllFrame AI	AllFrame AI
Tarnish resistant components	Yes	Yes	Yes	Yes
Performance				
Interface transfer rate (max) Buffer to host	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s
Internal transfer rate (max)[4]	265 MB/s	267 MB/s	267 MB/s	267 MB/s
Cache (MB)[1]	512 MB	512 MB	512 MB	256 MB
RPM	7200	7200	7200	7200
Reliability/Data Integrity				
Load/unload cycles[5]	600,000	600,000	600,000	600,000
Annualized Workload Rate[6] (TB/year)	Up to 550 TB/year	Up to 550 TB/year	Up to 550 TB/year	Up to 550 TB/year
Non-recoverable read errors per bits read	<1 in 10^{15}	<1 in 10^{15}	<1 in 10^{15}	<1 in 10^{15}
MTBF[7] (hours)	2,500,000	2,000,000	2,000,000	2,000,000
Limited warranty (years)[8]	5 years	5 years	5 years	5 years
Power Management				
Average Power (W)[9] Read/Write	6.6 W	9.1 W	9.1 W	7.3W
Idle	5.7 W	8.2 W	8.2 W	6.5 W
Standby/Sleep	0.9 W	0.3 W	0.3 W	0.3 W
Environmental Specifications				
Temperature Operating	5°C to 65°C	5°C to 65°C	0°C to 65°C	0°C to 65°C
Non-operating	-40°C to 70°C	-40°C to 70°C	-40°C to 70°C	-40°C to 70°C
Shock Operating (2 ms, read/write)	50Gs	70Gs	70Gs	70Gs
Operating (2 ms, read)	50Gs	70Gs	70Gs	70Gs
Non-operating (2 ms)	250Gs	250Gs	250Gs	300Gs
Acoustics (dBA)				
Idle dBA	20	34	34	29
Seek (average) dBA	36	39	39	36
Physical Dimensions				
Height (max) (in / mm)	1.028 / 26.1	1.028 / 26.1	1.028 / 26.1	1.028 / 26.1
Length (max) (in / mm)	5.787 / 147	5.787 / 147	5.787 / 147	5.787 / 147
Width (± .01 in.) (in / mm)	4 / 101.6	4 / 101.6	4 / 101.6	4 / 101.6
Weight (± 3%) (lb / kg)	1.52 / 0.69	1.65 / 0.75	1.65 / 0.75	1.58 / 0.715

[1] 1MB = one million bytes, 1GB = one billion bytes, and 1TB = one trillion bytes. Actual user capacity may be less, depending on operating environment.

[2] This drive is in compliance with the European Union Directive 2011/65/EU and Directive (EU) 2015/863 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

[3] Single stream per camera @ 3.2Mbps (1080p, H.265, 25 fps). Results may vary depending on camera resolution, file format, frames per second, software, system settings, video quality, and other factors.

[4] Based on read speed, unless otherwise stated. 1MB/s = 1 million bytes per second. Based on internal testing; performance may vary depending upon host device, usage conditions, drive capacity, and other factors. Controlled unload at ambient condition.

[5] Workload Rate is defined as the amount of user data transferred to or from the hard drive. Workload Rate is annualized (TB transferred X (8760 / recorded power-on hours)). Workload Rate will vary depending on your hardware and software components and configurations.

[7] Projected values. When final, MTBF specifications will be based on a sample population and are estimated by statistical measurements and acceleration algorithms under typical operating conditions, workload of 220TB/year, and drive temperature of 40°C. Derating of MTBF will occur above these parameters, up to 550TB writes per year, and 65°C drive temperature. MTBF ratings do not predict an individual drive's reliability and do not constitute a warranty.

[8] See http://support.wdc.com/warranty for regional specific warranty details.
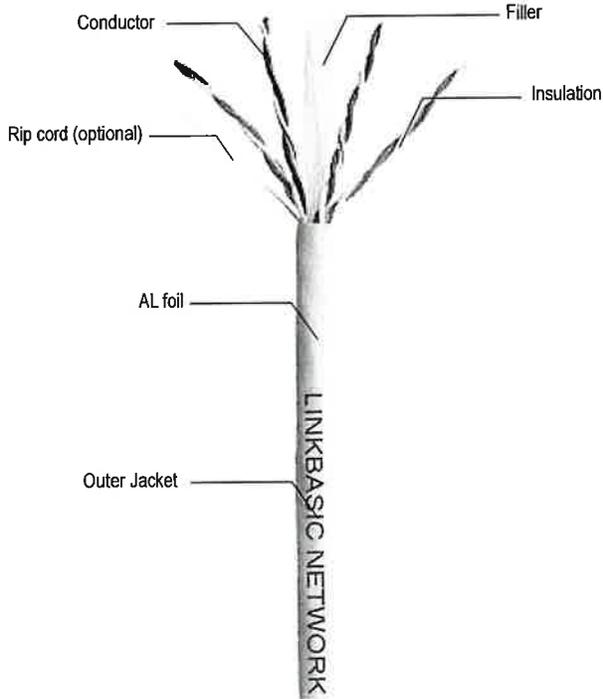
[9] Power measurements at room-ambient temperature.

CAT 6 UTP STRANDED CABLE   P/N: CLA04M-UC6 S/N: C04-002

P/N: CLA04-UC6

STRANDED CABLE, CAT6, UTP, 4pairs, 23AWG, 1000feet

Conductor

Filler

Insulation

Rip cord (optional)

AL foil

Outer Jacket

LINKBASIC NETWORK

Product picture

Insulation

Polyester Tape

Filler

Rip cord (optional)

Outer Jacket
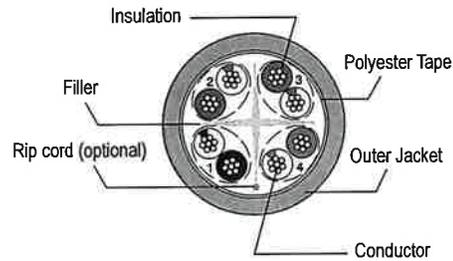
Conductor

Cross section
P/N: CLA04M-UC6

CAT 6 UTP SOLID CABLE
Copper solution

DESCRIPTION

- Rated temperature: 70℃
- Reference standard: UL Subject 444, EIA/TIA 568B.2-10
- & ISO/IEC 11801, IEC 61156
- Solid bare copper conductor
- Colour-coded PE insulation
- Rip cord (optional)
- PVC or LSZH jacket
- Packaging: Reel, Reel in Box

APPLICATION

- 100 Base-T4
- 100Base-TX
- 100VG-AnyLAN
- 1000Base-T
- 1000Base-TX
- 155Mbps ATM
- 622Mbps ATM

CONSTRUCTION

| Structure	Construction	UTP
	Number of Pairs	4 Pair
	AWG	24AWG
	Conductor Dimension (mm)	7*0.18±0.02mm
	Solid or Stranded; Bare or Tinned	Solid Bare Copper
Insulation	insulation material	HDPE
	Insulation Dimension [mm]	0.87±0.05mm
	Number Colour (Ring or Strip marking)	1.White/B[ue(Ring) & Blue 2.White/0range(Nng) & Oange 3.White/Gem(Rhg) & Green 4.White/Brown(Ping) & Btuwn
	Cross Filler	Yes
Shield	IndividualSinleld & Material	No
	Outer Shield & Material	No
	Drain Wire	No
Outer Jacket	Outer Jacket Material	PVC or LSZH
	Outer Jacket Ripcord	Based On Customer Requirements
	Overall Nominal Diameter (mm)	5.60±0.30mm

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LINKBASIC — CAT 6 SYSTEM PRODUCTS

CAT 6 UTP STRANDED CABLE   P/N: CLA04M-UC6   S/N: C04-002

ELECTRICAL CHARACTERISTICS

MAX. Matual Capacitance @ kHz	≤5.6 nF/100M
MAX. Capacitance unbalance (pF/ 100m)	≤330pF /100M(Per TIA/EIA-568B.2) ≤160pF /100M(Per IEC 61156)
Nominal Velocity of Propagation	64%
Max. Delay Skew (ns/100m)	≤45ns/100M
Max. Conductor DC Resistance @ 20 Deg. C	14.5Ω /100M (23AWG)
Max. DC Resistance unbalance @ 20 Deg. C	≤5%(per TIA/EIA-568B.2) ≤2%(per IEC 61156-5)
Mni. Insulation Resistance (MΩ/ k m)	5000
Max. Operating Voltage-UL	300V

MECHANICAL CHARACTERISTICS

Operating Temp. Range	-20~70℃
Max. Recommended PullingTension	110N
Min. Bend Radius (Install)	8 x O.D.
Flame Test	CMR

CLA04M-UC6
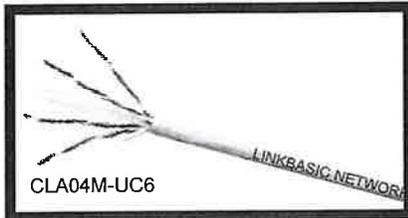
Cat 6 UTP Stranded Cable

RAL 7035

TIA/EIA 568-B.2 ELECTRICAL CHARACTERISTICS

Frequency (MHz)	Input Impedance (Ohms)	ATT (DB/100m)	RL (Db)	NEXT (Db)	PSNEXT (Db)	ELFEXT (Db/100m)	PSELFEXT (Db/100m)	PD (Ns/100m)
0.772	100±15	1.8	-	76.0	74.0	-	-	-
1	100±15	2.0	20.0	74.3	72.3	67.8	64.8	570.0
4	100±15	3.8	23.0	65.3	63.3	55.8	52.8	552.0
8	100±15	5.3	24.5	60.8	58.8	49.7	46.7	546.7
10	100±15	6.0	25.0	59.3	57.3	47.8	44.8	545.4
16	100±15	7.6	25.0	56.2	54.2	43.7	40.7	543.0
20	100±15	8.5	25.0	54.8	52.8	41.8	38.8	542.0
25	100±15	9.5	24.3	53.3	51.3	39.8	36.8	541.2
31.25	100±15	10.7	23.6	51.9	49.9	37.9	34.9	540.4
62.5	100±15	15.4	21.5	47.4	45.4	31.9	28.9	538.6
100	100±15	19.8	20.1	44.3	42.3	27.8	24.8	537.6
200	100±22	29.0	18.0	39.8	37.8	21.8	18.8	536.5
250	100±22	32.8	17.3	38.3	36.3	19.8	16.8	536.3

ORDER INFORMATION

Part number	Description	AWG	Standard color	packing Type	Carton	Carton measurement	Carton weight
CLA04M-UC6	Cat 6 UTP Stranded Cable	24AWG	RAL7035	Box	305m(1000ft)	L36.5cm× W25.5cm × H37cm	11.10KG

CAT 6 UTP SOLID CABLE — Copper solution

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