



### Productive Business Solutions

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# COTIZACIÓN

RNC 1-01025-506

**Empresa:** JUNTA CENTRAL ELECTORAL  
**Contacto:** COMPRAS Y CONTRATACIONES  
**Dirección:** Av. Luperon  
**Email:** \_\_\_\_\_  
**Teléfono:** \_\_\_\_\_  
**Referencia:** CP-12-2019

**Fecha:** 9-Apr-19  
**Ejecutivo:** Penelope Gil  
**Condición:** Credito 30 dias  
**Validez:** 45 dias  
**Email:** penelope.gil@grouppbs.com  
 niurka.pena@grouppbs.com

CANTIDAD	DESCRIPCION DEL ARTICULO	MARCA	PRECIO	TOTAL
12	ARCOS DETECTORES DE METALES (WMD)0125-10406-00	L3	209,139.06	2,509,668.72
100	DETECTORES DE MATALES DE MANO (HHMD) 0125-10400-00	L3	10,259.65	1,025,965.00

Garantía: 1 Año en Partes  
 Credito: 30 dias  
 Oferta Valida : 45 dias  
 Entrega: 45 dias despues de recibir la orden de compra



**Total Neto** \$3,535,633.72  
**Impuestos 18%** \$636,414.07  
**TOTAL RD\$** \$4,172,047.79



- \* Equipos Xerox
- \* Toners Xerox y HP Laser
- \* Papel Bond
- \* Papeles perlados, cartonite, satinados, frosty, fotográfico, Poliéster, transfer, Vinil adhesivo, Opalinas, NCR
- \* Rollos para plotter y Puntos de Venta (termico, bond, NCR)
- \* Material de Encuadernación UNIBIND, PERFEX, MASTERBIND
- \* Soluciones IT (Oracle y Cisco,)
- \* Piezas y Servicio Tecnico (cac\_calidad@grouppbs.com)

## Penelope Gil

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**From:** Licitaciones  
**Sent:** Thursday, April 04, 2019 10:36 AM  
**To:** Penelope Gil  
**Subject:** RE: CP-12-2019  
**Attachments:** Convocatoria CP-12-19..pdf

Buenos días!

Están autorizados a presentar propuesta, según fecha y forma establecida en la convocatoria (adjunta) del Concurso Ref.: 2019-000637 (CP-12-2019), detectores de metales.

**NOTA:**

**Deben entregar copia de este correo conjuntamente con su cotización.**

**POR FAVOR, CONFIRMAR LA RECEPCIÓN DE ESTE CORREO. GRACIAS!**

**De:** Penelope Gil [<mailto:penelope.gil@grouppbs.com>]

**Enviado el:** jueves, 04 de abril de 2019 10:28 a.m.

**Para:** Licitaciones <[licitaciones@jce.do](mailto:licitaciones@jce.do)>

**Asunto:** CP-12-2019

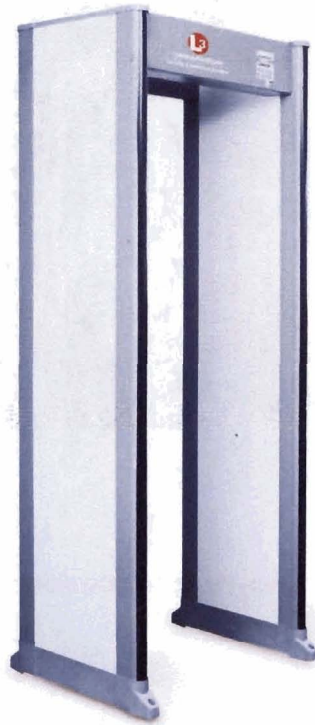
Buenos días , por este medio solicito la inscripción  
Para participar en el **proceso CP-12-2019.**

En espera de respuesta.

## Swift, reliable and tough, L-3's metal detectors are a fundamental component of checkpoint security.

As part of our comprehensive checkpoint security solutions, L-3 presents a selection of Protocol rugged and sensitive metal detectors that help screeners rapidly and easily differentiate between harmless objects and potential threats.

From head-to-toe walk-through units that pinpoint small, hard-to-find weapons, to a powerful palm-sized device capable of spotting threats as small as a needle, these detectors deliver outstanding performance. Whether searching for concealed weapons, preventing theft or performing routine entry and exit screening, there's an accurate, user-friendly metal detector to match the task.



### CONFIGURATIONS

#### Walk-through

- Protocol PD 6500i
- Protocol MT 5500
- Protocol CS 5000
- Protocol MS 3500

#### Hand-held

- Protocol SuperScanner
- Protocol SuperWand
- Protocol THD

## Protocol™ SuperWand

The Protocol SuperWand's elongated profile and 360° detection field provides uniform sensitivity and tip pinpointing to accurately detect all ferrous, non-ferrous and stainless steel weapons and other metal objects.

- Optimum sensitivity with automatic retuning—**never needs adjusting**
- Rugged **injection molded construction** including structurally isolated coil for added impact absorption
- **Ergonomically designed grip** fits comfortably in virtually every hand



### Protocol SuperWand Specifications

#### GENERAL

Dimensions: 8.3cm (3.25") (W) x 48.3cm (19") (L) x 3.2cm (1.25") (H)

Power Requirements: Single 9-volt battery

Optional NiMH rechargeable battery provides up to 20 hours on each 12-hour recharge

#### PHYSICAL/ENVIRONMENTAL

Weight: Approx .45kg (18.6oz)

Operating Temperature: -37°C to 70°C (-35°F to 158° F)

Humidity: To 95% non-condensing

#### PERFORMANCE

Operating Frequency: 90kHz

Tuning: Automatic

#### REGULATORY

Meets CE and other international standards for electromagnetic compatibility and safety

## Protocol™ THD

The Protocol Tactical Hand-Held Metal Detector (THD) quickly and effectively targets all ferrous, non-ferrous, and stainless steel weapons, contraband and other metallic objects.

- 360°, 3½-inch detection area allows **unrestricted scanning angles** for fast and accurate hands-free body searches
- **Silent vibrating** with red LED alarm indicator
- **Bright LED flashlight** for low light and night operations
- Sealed **waterproof construction** with high impact case



### Protocol THD Specifications

#### GENERAL

Dimensions: 22cm (8.43") (L) x x 3.8cm (1.625") (H) tapered to 2.9cm (1.125") x 80cm (3.5") (L)

Power Requirements: Single 9-volt battery provides up to 80 hours of normal operation

Optional NiMH rechargeable battery provides up to 25 hours on each 12-hour recharge

#### PHYSICAL/ENVIRONMENTAL

Weight: Approx .45kg (18.6oz)

Operating Temperature: -37°C to 70°C (-35°F to 158° F)

Humidity: to 95% non-condensing

Water and Dust: Meets IEC 529 IP66 standards

#### PERFORMANCE

Operating Frequency: 95kHz

Tuning: Automatic

Detection Area: 360 degrees

#### REGULATORY

Meets CE and other international standards for electromagnetic compatibility and safety



**communications**  
Security & Detection Systems

### L-3 Communications Security & Detection Systems

**Website:** www.L-3com.com/sds  
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**NUESTRO PARTNER**

L3 OVERVIEW

## PERFIL CORPORATIVO L-3



*Líder Mundial en Aeronáutica,  
Sistemas de Defensa y Sistemas  
de Seguridad Pública,  
Productos y Servicios*

- Perfil de la Compañía
  - Fundada 1997
  - Ventas 2010 \$15.7 B+
  - Empresa Fortune 150 & S&P 500
  - Empleados 63K
  - Unidad de Negocio 70+
- Grupo de Negocios
  - Electronic Systems Group
    - Seguridad y Sistema de Detección
  - Servicios a Gobierno
  - C<sup>3</sup>ISR (Comando, Control, Comunicación, Inteligencia, Vigilancia y Reconocimiento)
  - Modernización de Aviación & Mantenimiento
- Contratista Principal en C<sup>3</sup>ISR, Servicios y Modernización de Aviones
- Principales Productos Seguridad
  - Cámaras IR y equipos de visión nocturna
  - Seguridad Cibernética y Servicios de TI
  - Secure satélite y comunicaciones VoIP



## L-3 DIVISION SEGURIDAD Y SISTEMAS DE DETECCION

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- **Instalaciones en Propiedad de L-3 Communications**
  - Oficinas Centrales en Woburn, MA EE.UU.
    - Oficinas en Reino Unido, Singapur, Emiratos Arabes Unidos, China, Australia
    - Venta y distribución en más de 60 países
  - 30 años de experiencia en la industria
  - Más de 800 empleados



Oficinas Principales L-3 SDS  
en Woburn, MA USA



Planta Manufactura L-3 SDS  
en St. Petersburg, FL USA



## L-3 DIVISION SEGURIDAD Y SISTEMAS DE DETECCION

- **Líder de sistemas de detección de seguridad**
  - Enfocado en Soluciones de:  
Checkpoint, Control de Equipaje, Carga Aérea, Cargo Aeropuertos y Centros de Transporte, Puertos y Fronteras, Seguridad Gubernamental y Comercial.
  - Innovador Tecnológico e Integrador  
Tomografía Computarizada, Automatización, Sistemas de Rayos X convencionales y de alta penetración, Ondas Milimétricas Activas (MMW), Detección de material energético, Redes y Conectividad.
  - Líder en el Mercado  
Mas de 50.000 sistemas de seguridad instalados  
Sistemas de Seguridad en 9 de 10 Aeropuertos mas transitados del mundo
    - Seguridad total de ACI 's "2010 Mejores 5 aeropuertos en el mundo"  
Ranking # 2 en el mercado de Seguridad en Detección por IMS Research.
- **Mundialmente reconocido por el mantenimiento y el servicio excepcional soporte(24 x 7).**



Oficinas Principales L-3 SDS  
en Woburn, MA USA



Planta Manufactura L-3 SDS  
en St. Petersburg, FL USA

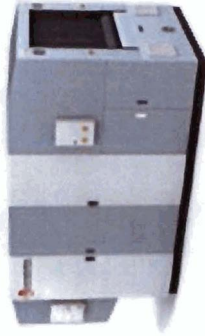


# L-3 SDS PORTAFOLIO DE PRODUCTOS



Certificado

Equipaje  
Facturado



Automatizado

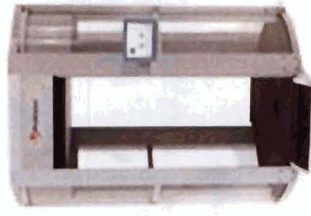


Convencional

Soluciones  
Control



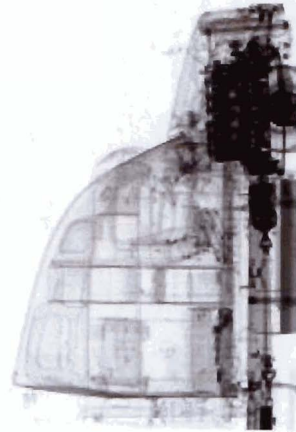
Rastreo



Imágenes  
avanzadas



Soluciones  
de Cargo



Instalación, Servicio de  
Campo y Soporte



## L-3 SOLUCIONES TOTALMENTE CERTIFICADAS

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Certificado y Calificado por el departamento de Transporte, Seguridad y Administración de los Estados Unidos de América (TSA).



Certificación de Reglamento Estándar 3 para EDS en el marco del Proceso de Evaluación Común (PEC) de Equipos de Seguridad de la Conferencia Europea de Aviación Civil (CEAC) de la Unión Europea



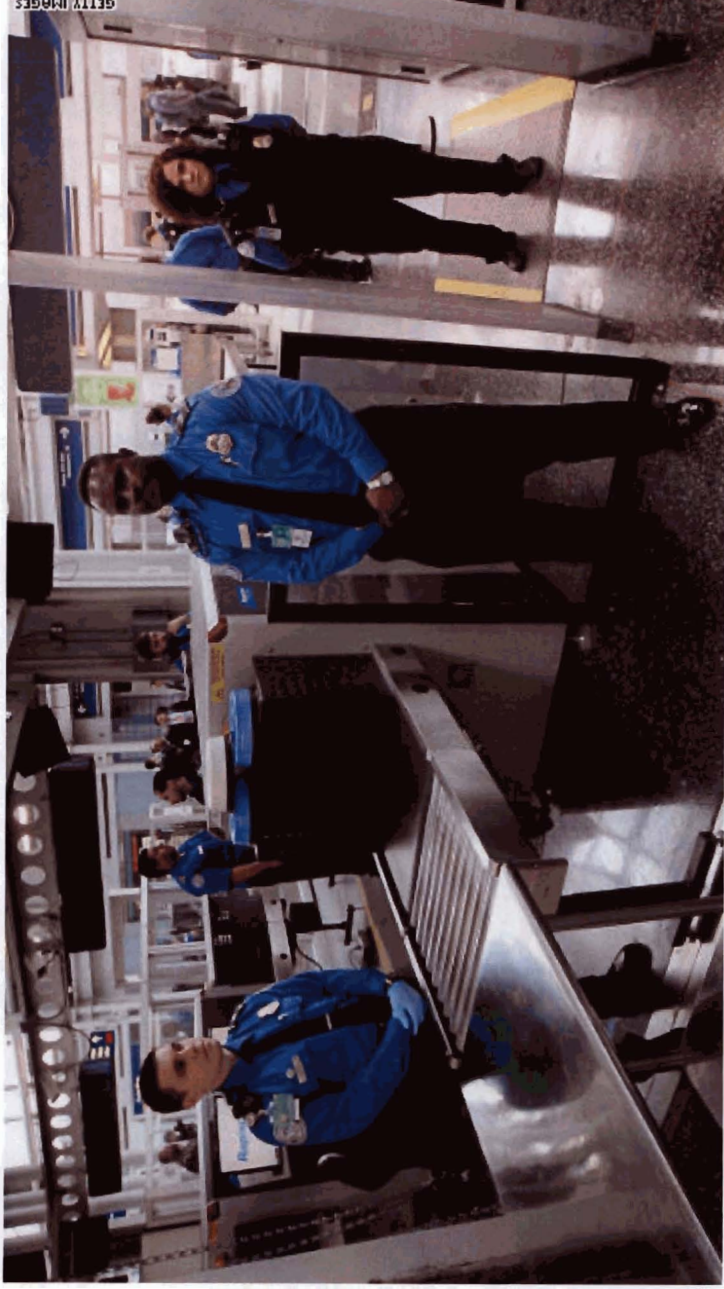
Certificación de la Autoridad de Seguridad Canadiense de Transporte Aéreo



Cumplimiento con las regulaciones de seguridad en aviación del departamento de transporte de aviación civil

# SOLUCIONES DE PUNTOS DE INSPECCION

CONTROL AVANZADO DE PERSONAS - EQUIPAJE DE MANO



Safeguarding the Traveling Public.  
Protecting Critical Infrastructure.



# Checkpoint Security Solutions



**Law-abiding citizens** move through the world's passenger terminals, immigration and customs facilities, government buildings, and other checkpoints every minute of every day.

Amid the millions of innocents, creative terrorists and criminals hide in plain sight—determined to find new and inventive ways to outsmart security systems. They attempt to conceal all kinds of threats and contraband in luggage, bags, parcels, and pockets. From firearms and knives to explosives, drugs, and stolen property, there's no limit to what these smugglers will try to hide.

Today, security professionals responsible for accurately identifying threats, while keeping the flow of traffic moving, depend on innovative screening solutions from L-3 Security and Detection Systems. Our forward-thinking technologies help meet these continually evolving challenges, safeguard the traveling public, and protect critical infrastructure.

With exceptional threat recognition and superior throughput, L-3's checkpoint inspection systems offer outstanding detection, performance, and reliability across the spectrum of checkpoint security applications.



## You'll never guess who's trying to sneak something past security. *Fortunately, you won't have to.*

L-3's checkpoint security systems help inspectors accurately detect threats of all kinds:

- Weapons
- Narcotics
- Explosives
- Stolen goods
- Contraband

Commercial airports, government buildings, postal facilities, and prisons worldwide use L-3 screening systems to inspect individuals, vehicles, packages, and baggage for security threats.

Powerful material analysis technology and image processing reveal the most skillfully masked suspicious substances—even those hidden by other objects. Reveal threats and bring the smallest details into focus with L-3's hallmark imaging and inspection technologies:

### **X-ray Inspection Systems:**

Designed to thwart the cleverest attempts at hiding prohibited items and ideal for screening everything from small packages to oddly shaped items and palletized loads.

### **Body Screening:**

Capable of detecting objects hidden anywhere on the body in a single scan, L-3's remarkable application of innovative scanning technology spots wood, metal, ceramic, rubber, plastic, and other materials.

### **Metal Detection:**

Security professionals around the world rely on L-3 metal detection to secure high-traffic, high-risk venues, including prisons, consulates and embassies, schools, and government buildings.

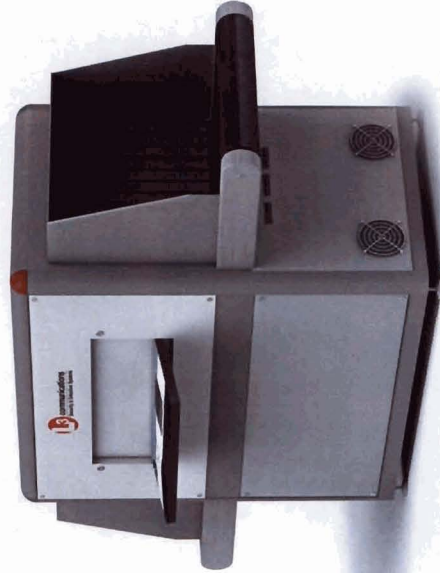
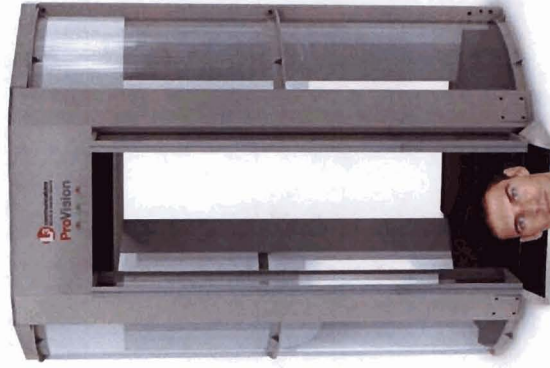
# Power. Accuracy. Dependability.

## The L-3 Technology Advantage

Whether inspecting passengers, carry-on items or checked baggage for concealed threats, there's an L-3 screening technology for the task. By working together with domestic and international regulatory agencies to develop the most effective and efficient inspection systems available, L-3 remains at the forefront of technological advancement, improving detection rates, operational efficiencies, and system configurations.

Our inspection systems incorporate L-3's landmark advanced X-ray technology for hand-carried bags and parcel screening as well as innovative body screening and metal detection. L-3's checkpoint inspection technologies lead the industry in precision, performance, and reliability.

With exceptional image quality, precise material discrimination, and high throughput rates, L-3 is a true partner in shaping security and detection best practices and developing cutting-edge solutions to increasingly complex and sophisticated threats.



# Ideas. Innovation. Integration.

## Fresh Approaches in Detection Technology

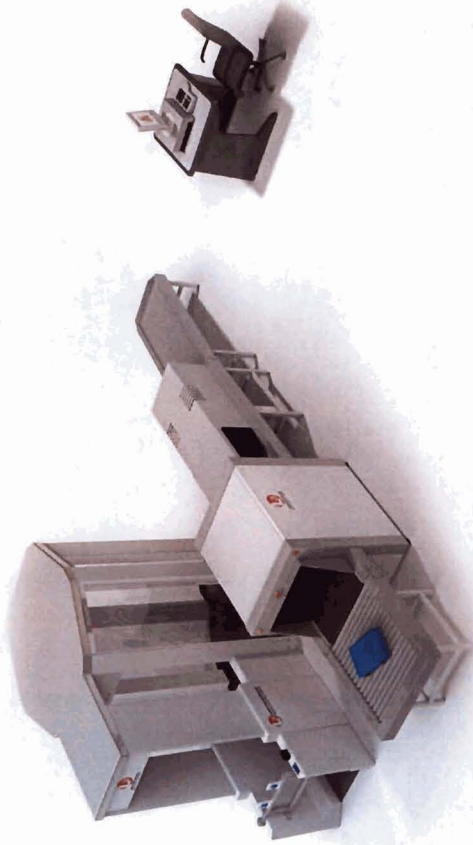
From state-of-the-art TSA-certified explosives detection systems to cargo inspection systems that locate threats hidden behind a foot of steel, and non-intrusive scanners that automatically see the difference between the human body and ceramic, plastic, or metal weapons, L-3 is dedicated to developing technologies that address complex security issues while meeting the industry's most stringent regulatory and throughput requirements.

## Now...introducing the world's first truly integrated checkpoint security system, only from L-3.

Our ground-breaking, fully integrated checkpoint screening solution blends multiple cutting-edge detection technologies in a single, space-conscious system. The ProTech™ system rapidly and accurately detects explosives, weapons, and contraband while keeping people moving.

For the first time, multiple state-of-the-art technologies merge seamlessly in one revolutionary checkpoint system that spots threats quickly and keeps traffic flowing.

- Trace explosives detection
- Active millimeter wave body scanning
- Zoned metal detection
- Carry-on baggage screening using automated algorithms coupled with trace



# Bag and Parcel Screening

## The L-3 Imaging Advantage:

### View the whole picture.

L-3's proven imaging technology and patented image analysis tools give inspectors the edge when searching for concealed threats and contraband. Whether viewing an entire image on screen, zooming in for a closer look, or highlighting areas of interest with color overlays, users can programmable image enhancement allows screeners to capture the best possible image.



## Networking:

### A streamlined approach

Operating on a Windows NT platform, networked systems allow data and images to be accessed in real time by a centralized supervisor workstation. One person can perform key tasks for multiple units, including: second-level screening of suspect objects, centralized monitoring of operators' performance using the Threat Image Projection feature, and administration of all systems on the network.

## The Operator Interface:

### Intuitive simplicity

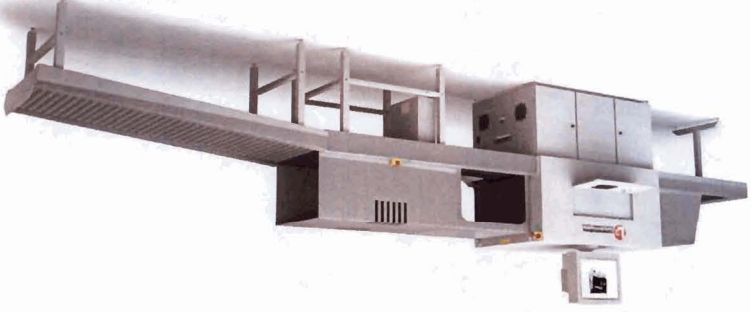
L-3's patented operator interface provides a simple, intuitive, and flexible way for users to make the most of imaging information. Ergonomically designed to promote rapid learning and ease of use, the interface combines three-button conveyor control with a touch-sensitive pad that allows continuous heads-up operation using icons displayed on the viewing screen. The system's console is designed to minimize operator fatigue and reduce the physical stress associated with prolonged screening.



## TRX™ 110-II

*TRX-Ready X-Ray Inspection System  
Speed and powerful detection lets busy traffic carry on.*

Designed to screen virtually anything that can be carried aboard a passenger plane, cruise ship, bus, or train – from small parcels, briefcases, and duffel bags to child safety seats—the rugged TRX 110-II is a tough high-traffic performer. The TRX 110-II hand-carry baggage inspection system blends L-3's most advanced technology together with dual-energy detectors, a high-energy X-ray source, and state-of-the-art electronics. The fully networkable TRX 110-II makes ultra-reliable, ultra-fast work of high-volume carry-on luggage inspection and meets TSA TIF-ready X-ray hand-carry baggage requirements. The system's roomy tunnel (648 mm x 423mm / 25.5" x 17") accepts a full range of carry-on items.



## PX-M™

*Best-in-class resolution in a hard-working,  
flexible checkpoint X-ray system.*

With best-in-class image resolution and high hourly throughput, the PX-M inspection system allows operators to efficiently and accurately screen small and medium-sized objects such as infant/child safety seats, parcels and packages, mail bins, carryon luggage, and other hand-carried items such as briefcases and backpacks. Superior imaging capabilities facilitate rapid detection of multiple threats, including weapons, narcotics, explosives, and contraband. The PX-M is the only system in its class with a conveyor that can be configured in three different lengths to accommodate diverse space requirements. Bidirectional operation allows the system to be easily incorporated into environments that require two-way screening, such as cruise ships, prisons, and high-security workplaces. Easy customization of software-based controls and tools allows the system to be adapted to diverse operational requirements and evolving security challenges.



## Versatility, Defined:

### Scanners for every checkpoint

From screening hand-carried objects to out-of-gauge items such as musical instrument cases, golf bags, and skis, there's an L-3 X-ray system built for the task. Designed with compact footprints to make the most of valuable space, our user-friendly conventional X-ray systems handle everything from large and oddly shaped objects to small parcels.



*Ideal for screening mid-sized items in checkpoint applications*

The APS-II gives you a clear picture of weapons, narcotics, explosives, and other threats, revealing the most cleverly masked suspicious substances—even those hidden by other objects. The system's high-speed computer performs an accurate materials analysis based on a number of physical characteristics, including atomic number (Zeff), density, and mass. Ideal for medium-sized screening applications, the APS-II automatically detects suspicious materials masked by other objects or substances.

## PX-208™

*The best in its class for screening a wider spectrum of shapes and sizes*



Whether at a checkpoint or in an area where space is tight, the PX-208 puts L-3's innovative screening technology where it's needed. With generous tunnel dimensions, this PX-208 handles oversized baggage and large boxes that conventional-sized 600 mm x 400 mm checkpoint X-ray systems cannot. Extremely easy to operate, the PX-208 features superior image quality, high throughput, and L-3's patented E-scan™ material discrimination software. The system's dual-energy folded detector array includes 1,536 diodes, delivering the highest resolution available in a medium-sized X-ray screening solution.

## PX-231™

*Less heavy lifting for heavy-duty screening environments*



The PX-231 X-ray system screens small parcels and large cartons as well as everything in between. The ideal choice for busy facilities that need to screen non-palletized freight in a range of different sizes, the system features a low conveyor belt (less than 12 inches from the ground) that enables rapid screening while reducing the risk of injury and damage to goods. Additionally, the system's compact footprint is well suited to space-constrained environments. The flexible, networkable PX-231 is easily incorporated into environments that require two-way screening, such as mailrooms and loading docks.

## Heavy-duty X-ray Scanners:

### The right fit for big jobs

These workhorse systems meet the toughest checkpoint challenges, standing up to the demands of high-traffic, heavy-load environments. No matter what needs to be screened, there's an L-3 X-ray system for the job.



## PX-107™

*A scanner with an appetite for oversized objects*

Sometimes bigger really is better. With the largest tunnel size available for non-palletized freight, the PX-107 works overtime to screen irregularly shaped and bulky objects. The PX-107's imaging capabilities bring the smallest details into focus, regardless of the size of the object being screened. The display screen even magnifies smaller items, making it easier to detect fine details that might indicate a threat. With a dual-energy folded detector array that includes 1,600 diodes, this powerhouse delivers the highest resolution available in a large-size X-ray screening system and is ideally suited for facilities that handle a variety of packages and freight, oversized cartons, and irregularly shaped parcels.



# Body Screening

## All-Around Screening: Seeing is believing

There's no limit to the dangers you can see and eliminate, thanks to cutting-edge millimeter wave technology from L-3. Inspectors can view objects made of any material—including wood, rubber, wire, plastic, and metal—too quickly and easily locate weapons, contraband, and other threats concealed on the body.

## ProVision™

### Body Screening Portal

*Reducing the stress and guesswork of physical searches*

With just a single scan, the ProVision system reveals the presence of concealed objects on the body. Operators can clearly identify ceramic weapons, plastic explosives, drugs, and other contraband in as little as two seconds. ProVision can also prevent the theft of confidential information, cash, valuables, or intellectual property from secure locations.

Other imaging technologies take only a single-frame scan from one direction at a time, requiring multiple scans for the same coverage. The time it takes to position the person being scanned and to scrutinize the resulting images lowers throughput rates to less than 100 persons per hour. With peak throughput levels of 600 people an hour, ProVision far outpaces conventional body screening methods.

Invasive pat-down and strip searches place a high degree of physical stress on security personnel. With ProVision, there's no need for the repetitive bending and stretching required for hands-on physical inspections.

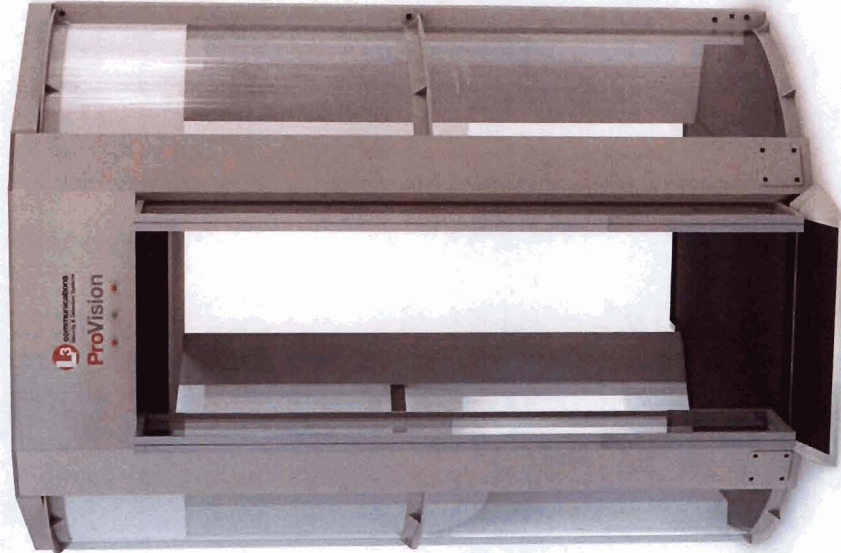
## Millimeter Wave Technology: Object recognition takes a bold step ahead

Millimeter wave technology is a sophisticated imaging technique, similar to infrared imaging that "sees" radio waves emitted from the human body. Unlike infrared imaging, however, millimeter wave technology penetrates materials that visual and infrared sensors cannot.

ProVision's patented sensing mechanism uses active millimeter waves, common radio-frequency signals that reflect off objects at extremely low power levels. These frequencies are thousands of times smaller than similar signals used by cell phones or garage door openers. Developed from three-dimensional holographic imaging technology, ProVision uses no ionizing radiation and is as safe to use as a cell phone.

## Flexible Functionality: Go configure

The ProVision™ system can easily be configured to meet specific throughput and facility requirements, from single scanner and single computer combinations to multi-lane configurations. Operator controls can be set up remotely or directly adjacent to the portal, depending on space requirements.



### ProVision™ 360

Designed to spot even the slimmest object—such as CDs, paper currency, or other razor-thin items, the ProVision 360 detects objects hidden anywhere on the body in a single scan.

### ProVision™ 100

Featuring the same single-scan detection capability of the ProVision 360, the ProVision 100 is ideal for high-traffic, high-volume sites, identifying weapons and contraband in seconds.

Portal Detectors	Threat Detection or Object Recognition						
	Maximum Throughput Per Hour	Metallic Weapons	Non-Metallic Weapons	Explosives	Narcotics	Carry Valuables	Data Storage Devices
Backscatter Portal	225/hr.*	✓	✓	✓	✓	✓	✓
Trace Explosives Portal	275/hr.	✓	✓	✓	✓	✓	✓
L-3 ProVision Body Scanner	600/hr.	✓	✓	✓	✓	✓	✓
Metal Detection Gate	750/hr.	✓	✓	✓	✓	✓	✓

\*Based on the ProVision gate for full-body screening.

# Metal Detectors

## Tried and True Detection: A fundamental component of checkpoint security

L-3 presents a selection of rugged and sensitive metal detectors that help screeners identify potential threats with confidence. Our highly sensitive and specific metal detectors feature a full range of target detection capabilities.

## Hand-Held Detectors:

### Get a grip on hidden threats

Highly sensitive, durable, and user-friendly, L-3's hand-held metal detectors offer the ultimate in fast and thorough scanning. Capable of discerning concealed objects ranging from a handgun to a hat pin, these rugged devices are built for repetitive use. Each unit offers advanced metal detection capability and material discrimination.



## Protocol™ SuperScanner

The exquisitely sensitive Protocol SuperScanner is capable of detecting a medium-sized pistol from 9 inches and foil-wrapped drugs and tiny pieces of jewelry from only an inch away. Weatherproof, stable, and easy to use, the unit's pushbutton screening feature temporarily eliminates the detection of nearby ambient metal such as rebar, metal walls, and other surfaces.



## Protocol™ SuperWand

Head-to-toe scanning is fast, reliable, and thorough with the Protocol SuperWand. Featuring an elongated profile and a 9.5" scan area, this hand-held wand is designed to fit comfortably in virtually any grip. The Protocol SuperWand's 360° detection field provides uniform sensitivity and tip pinpointing to accurately detect all ferrous, non-ferrous, and stainless steel weapons and other metal objects with just a touch.



## Protocol™ THD

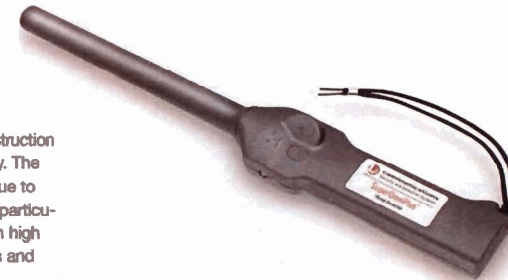
The Protocol THD's 360°, 3.5" detection area allows unrestricted scanning angles for fast and accurate hands-free body searches, quickly and effectively targeting all ferrous, non-ferrous, and stainless steel weapons, contraband, and other metallic objects. Sealed waterproof construction ensures performance in variable weather conditions.



*A full range of accessories is available for L-3's portal and hand-held metal detectors.*

## Protocol™ SuperOmniPlus

The SuperOmniPlus incorporates high-quality construction with a sophisticated electronic design for reliability. The Piezo Audio System offers extended battery life due to extremely low power consumption. This feature is particularly valuable when screening the general public in high traffic areas such as airports, correctional facilities and courthouses.



## Protocol™ Gammatometer (Hand-held Metal and Radiation Detector)

In addition to screening for guns, knives and other weapons, the sensitive, solid-state Gammatometer™ effectively screens for radioactive materials. Designed to detect both X and Gamma radiation sources, the battery-operated detector operates in fully automatic mode with energy levels ranging from 20keV to 6.1MeV.



## Walk-Through Scanners:

### High performance, high throughput

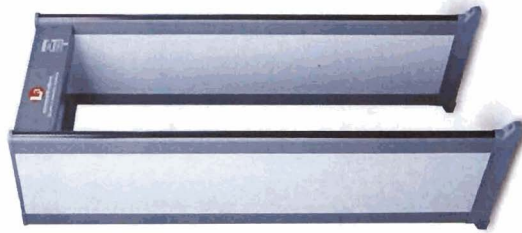
Our state-of-the-art microprocessor controls ensure the accurate and fast threat detection essential for maintaining throughput rates in high-traffic applications. Multidimensional detection fields eliminate hot spots and weak signals, and enhance sensitivity for precise target recognition. Uniform scanning from archway to floor ensures effective detection every time.

Whether used individually or configured in close proximity in multi-lane applications, our portal metal detectors are designed for optimal performance in any situation. Settings are maintained even if power is turned off, lost, or interrupted, and intuitive touchpad controls make units remarkably easy to program and operate.

### Networkable Solutions: Connect and detect

L-3's Control, Monitor, Analyze Interface Module (CMA) provides remote network access to data collection, alarm statistics, and real-time detector events for monitoring and/or analyzing. CMA also allows end-users to successfully integrate walk-through metal detectors into an existing access control security system that includes video surveillance and card-access portals.

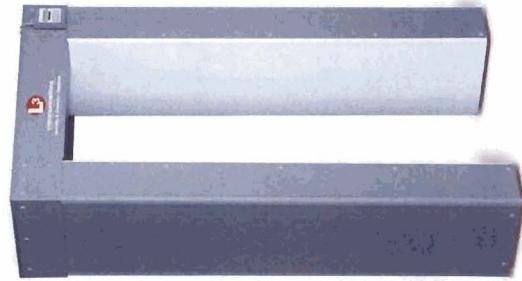
**A full range of accessories is available for L-3's portal and hand-held metal detectors.**



### Protocol™ PD 6500i

*(Multiple Target Pinpointing)*

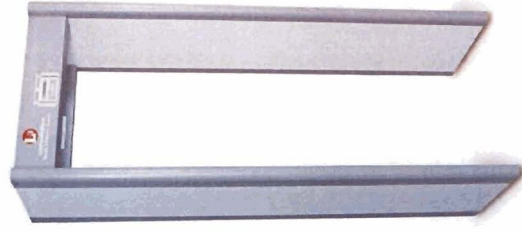
Pinpoint accuracy and superior material discrimination are the hallmarks of the versatile, weatherproof Protocol PD 6500i, ideal for finding small floor-level weapons. Preset programs cover a complete range of security applications, including the Transportation Security Administration's (TSA) Enhanced Metal Detector (EMD) System requirement.



### Protocol™ MS 3500

*(Multidimensional Detection Field—Ruggedized)*

The weatherproof, abuse-resistant Protocol MS 3500 offers excellent sensitivity, material discrimination, stability, and noise reduction. Built to withstand the roughest outdoor conditions, the Protocol MS 3500 is the perfect choice for applications requiring maximum security with minimum maintenance. The Protocol MS 3500 detects a full range of firearms as well as ferrous or non-ferrous small caliber weapons.



### Protocol™ MT 5500

*(Multidimensional Scanning)*

Superior multidimensional scanning and maximum throughput combine in the precise, proven Protocol MT 5500. With 200 programmable sensitivity levels, including ankle-boost sensitivity, the versatile Protocol MT 5500 features an infrared traffic counter that reduces false alarms and increases throughput. Thanks to dual alarm lights, audible alarms, and LED graphs that indicate target position, there is never a question about the presence of concealed metal.



### Protocol™ CS 5000

*(Multidimensional Detection Field)*

With 200 programmable security levels and user-friendly controls, the flexibility of the Protocol CS 5000 sets the standard for simplicity and reliability in a portal that is easy to assemble and operate. Clear audible and visual alarm signals indicate the presence of target materials, and the unit's noise reduction capability helps reduce the potential for false alarms.

## The L-3 Advantage

L-3 offers a host of powerful security solutions that deliver exceptional image quality, throughput, user-friendliness, and flexibility. Blending best-in-class penetration and landmark image processing together with innovative system designs, L-3 inspection technologies lead the industry in precision, performance, and reliability.

L-3's global field service team, the largest in the industry today, provides uninterrupted equipment maintenance 24 hours a day, 7 days a week throughout the U.S. and in 80 countries. L-3's worldwide parts depots guarantee that parts are always available, from the smallest screw to a complete X-ray system.

Our expertly trained instructors understand the demands placed on operators charged with effectively inspecting thousands of bags, packages, and people each day. Their thorough knowledge of checkpoint security brings invaluable real-world system operation and maintenance experience to new operators, repair technicians, and staff.

Whether screening travelers at checkpoints, examining checked or carry-on bags, or scrutinizing the contents of a fully loaded tractor trailer truck or intermodal shipping container, there's an L-3 Security and Detection system to fit the bill. L-3's fully supported, networkable solutions are a stalwart ally in your fight to identify and eliminate security risks.

L-3 Security and Detection Systems is an ISO-9001-2000 registered company for the development, manufacture and support of advanced contraband and explosives detection systems.



### L-3 Communications Security and Detection Systems

[www.L-3com.com/xray](http://www.L-3com.com/xray)

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# PD6500i - DETECTOR METALES

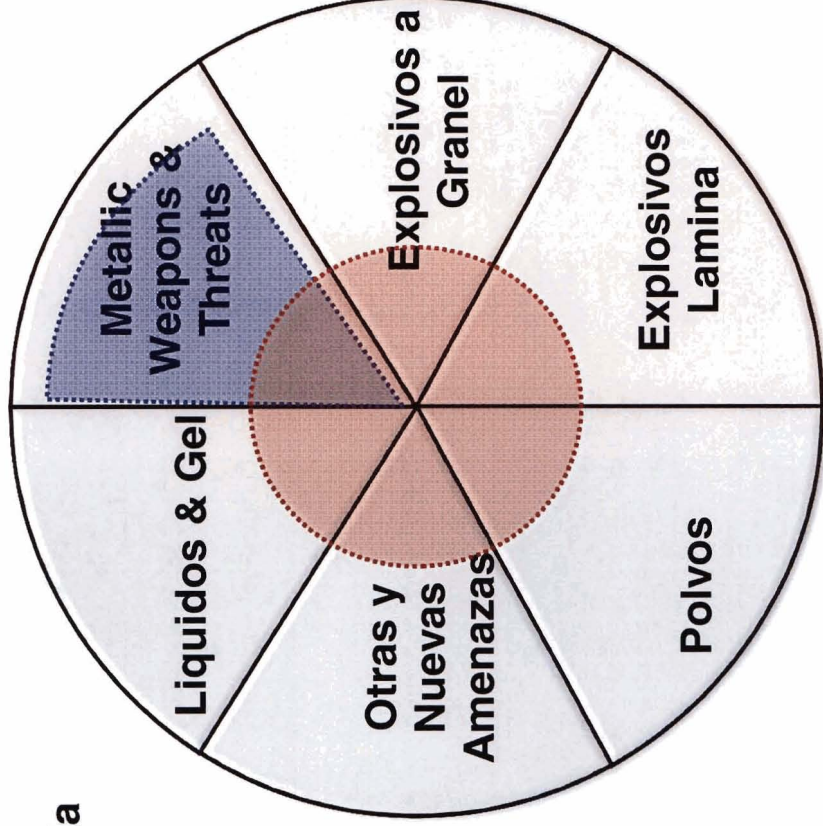
pbs



Identifica Detector  
Metales



Busqueda  
Manual





# Serie PD140 - DETECTOR DE METAL MANUAL



## PD 140

Una forma de superficie bidireccional sensible especial realiza una inspección rápida y no invasiva

### Características

- Detección de metales magnéticos y no magnéticos
- Señales de alarma ópticas, acústicas y vibratorias
- Vida útil de la batería muy larga
- Cargador de batería inductivo rápido (opcional para el modelo PD140VR)
- Muy alta confiabilidad
- Fácil de usar
- Calibración automática
- Forma ergonómica exclusiva



## Protocol™ SuperWand

Un campo de detección de 360° proporciona una sensibilidad uniforme

El perfil alargado de SuperWand y el campo de **detección de 360°** proporciona una sensibilidad uniforme y localización de punta para detectar con precisión todas las armas metálicas o no metálicas, de acero inoxidable y otros objetos de metal. El SuperWand es ideal para puntos de control en establecimientos correccionales y aeropuertos, donde la precisión es una necesidad.

### Características

- Sensibilidad de localización óptima con resintonización automática, nunca necesita
- ajustes
- Revisión al toque de un botón
- Señal de alarma LED clara y audible o silenciosa, en vibrador
- Construcción robusta, moldeada a inyección, que incluye una bobina estructuralmente aislada para una absorción de impacto adicional



## Protocol™ SuperScanner

Ideal para eventos deportivos y puntos de control en escuelas

Sensible, estable y fácil de utilizar, el Protocol SuperScanner detecta una pistola de tamaño mediano desde 23 cm (9 pulgadas) e identifica drogas envueltas en papel de aluminio y piezas de joyería a sólo una pulgada de distancia. El SuperScanner rápidamente revisa grandes cantidades de personas en la menor cantidad de tiempo y es ideal para puntos de control tales como los de eventos deportivos y escuelas.

### Características

- Gran superficie de escaneo para un escaneo rápido y minucioso
- Revisión al toque de un botón elimina los efectos de metal ambiental cercano, tal como barras de refuerzo, paredes de metal y otras superficies
- No requiere ajustes
- Carcasa ABS robusta, de alto impacto, con compartimento de bobina reforzada

## Swift, reliable and tough, L-3's metal detectors are a fundamental component of checkpoint security.

As part of our comprehensive checkpoint security solutions, L-3 presents a selection of Protocol rugged and sensitive metal detectors that help screeners rapidly and easily differentiate between harmless objects and potential threats.

From head-to-toe walk-through units that pinpoint small, hard-to-find weapons, to a powerful palm-sized device capable of spotting threats as small as a needle, these detectors deliver outstanding performance. Whether searching for concealed weapons, preventing theft or performing routine entry and exit screening, there's an accurate, user-friendly metal detector to match the task.



### CONFIGURATIONS

#### Walk-through

- Protocol PD 6500i
- Protocol MT 5500
- Protocol CS 5000
- Protocol MS 3500

#### Hand-held

- Protocol SuperScanner
- Protocol SuperWand
- Protocol THD

# Hand-Held Detectors:

## Accurate, Versatile Contraband Detection

Highly sensitive, durable and user-friendly, these hand-held metal detectors offer the ultimate in fast and thorough hands-free scanning. Capable of discerning concealed objects ranging in size from a handgun to a hat pin, these rugged devices are built for repetitive use.

### Protocol™ SuperScanner

Sensitive, stable, and easy to use, the Protocol SuperScanner detects a medium-sized pistol from 9 inches and identifies foil-wrapped drugs and tiny pieces of jewelry from only an inch away.

- Convenient one-touch operation
- Large 10" scan surface
- Pushbutton screening temporarily eliminates the detection of nearby ambient metal such as rebar, metal walls and other surfaces



### Protocol SuperScanner Specifications

#### GENERAL

Dimensions: 8.3cm (3.25") (W) x 42cm (16.5") (L) x 4.13cm (1.625") (H)

Power Requirements: Single 9-volt battery provides up to 60 hours of normal operation

Optional NiMH rechargeable battery provides up to 20 hours on each 12-hour recharge

#### PHYSICAL/ENVIRONMENTAL

Weight: Approx .45kg (18.6oz)

Operating Temperature: -37°C to 70°C (-35°F to 158° F)

Humidity: To 95% non-condensing

#### PERFORMANCE

Operating Frequency: 93kHz

Tuning: Automatic

#### REGULATORY

Meets or exceeds all performance specifications of the National Institute of Justice Standard - 1602.02 "Hand-Held Metal Detectors for Use in Concealed Weapon and Contraband Detection." Meets CE and other international standards for electromagnetic compatibility and safety.



### Hand-Held Accessories

- Rechargeable Battery Kit
- Belt Holder
- Noise Masking Earphone
- Leather Belt Loop Harness
- Operational Technique Video

Protocol SuperScanner	■	■	■	■	■
Protocol SuperWand	■	■			
Protocol THD	■	■			





## Protocol™ SuperWand

The Protocol SuperWand's elongated profile and 360° detection field provides uniform sensitivity and tip pinpointing to accurately detect all ferrous, non-ferrous and stainless steel weapons and other metal objects.

- Optimum sensitivity with automatic retuning—**never needs adjusting**
- Rugged **injection molded construction** including structurally isolated coil for added impact absorption
- **Ergonomically designed grip** fits comfortably in virtually every hand



### Protocol SuperWand Specifications

#### GENERAL

Dimensions: 8.3cm (3.25") (W) x 48.3cm (19") (L) x 3.2cm (1.25") (H)

Power Requirements: Single 9-volt battery

Optional NiMH rechargeable battery provides up to 20 hours on each 12-hour recharge

#### PHYSICAL/ENVIRONMENTAL

Weight: Approx .45kg (18.6oz)

Operating Temperature: -37°C to 70°C (-35°F to 158° F)

Humidity: To 95% non-condensing

#### PERFORMANCE

Operating Frequency: 90kHz

Tuning: Automatic

#### REGULATORY

Meets CE and other international standards for electromagnetic compatibility and safety

## Protocol™ THD

The Protocol Tactical Hand-Held Metal Detector (THD) quickly and effectively targets all ferrous, non-ferrous, and stainless steel weapons, contraband and other metallic objects.

- 360°, 3½-inch detection area allows **unrestricted scanning angles** for fast and accurate hands-free body searches
- **Silent vibrating** with red LED alarm indicator
- **Bright LED flashlight** for low light and night operations
- Sealed **waterproof construction** with high impact case



### Protocol THD Specifications

#### GENERAL

Dimensions: 22cm (8.43") (L) x x 3.8cm (1.625") (H) tapered to 2.9cm (1.125") x 80cm (3.5") (L)

Power Requirements: Single 9-volt battery provides up to 80 hours of normal operation

Optional NiMH rechargeable battery provides up to 25 hours on each 12-hour recharge

#### PHYSICAL/ENVIRONMENTAL

Weight: Approx .45kg (18.6oz)

Operating Temperature: -37°C to 70°C (-35°F to 158° F)

Humidity: to 95% non-condensing

Water and Dust: Meets IEC 529 IP66 standards

#### PERFORMANCE

Operating Frequency: 95kHz

Tuning: Automatic

Detection Area: 360 degrees

#### REGULATORY

Meets CE and other international standards for electromagnetic compatibility and safety



**communications**  
Security & Detection Systems

#### L-3 Communications Security & Detection Systems

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