

## Linescan® 215 Series

PerkinElmer Instruments' conventional product line introduces our enhanced and expanded Linescan 215 series, the first product offering since combining EG&G Astrophysics and Vivid Technology, Inc.

The **Linescan 215** series features:

- A reduced cost Linescan 215
- Our traditional Linescan 215/III
- Our new advanced Linescan 215/V

The **Linescan 215** offers our base technology with 'short' conveyors and a single monitor. This is a very cost efficient model that is complemented by our widely recognized standard features.

The **Linescan 215/III** expands on our base technology with added features and flexibility. Variable length conveyors, dual monitors and additional options make the **Linescan 215/III** suitable for numerous applications.

The advanced **Linescan 215/V** is a PC based system that incorporates our latest technology with an enhanced modular design. This system which includes the newly designed Electrical Distribution Box (EDB) providing advanced management of power distribution. This system allows incorporation of various advanced computer options including Threat Image Projection (TIP), Operator Assist (OA) and Image Archiving (IA).

All systems within the **Linescan 215** series are dependable, sturdy machines built to suit your security screening requirements.

With a tunnel opening of 610mm (24.0") wide by 468mm (18.4") high and the excellent imaging performance, all versions of the **Linescan 215** are ideal for the screening of briefcases, handbags, backpacks and small packages.

These systems are well suited for embassies, mail-rooms, government buildings, courtrooms, correctional facilities and commercial businesses requiring screening of small parcels.

The **Linescan 215** series are especially well suited for screening carry-on baggage at airports or any-place where floor space may be limited.



### Features

#### Linescan 215

- ▶ Single 17" color monitor
- ▶ .1 meter entry/exit conveyor
- ▶ Infrared operator detection device

#### Standard Features:

- ◆ Variable gamma
- ◆ Pseudo color imaging
- ◆ Automatic threat alert (N/A on Linescan V)
- ◆ Zoom 2X and 4X
- ◆ Edge trace/Edge Sharpening
- ◆ High penetration
- ◆ Reverse monochrome
- ◆ Suspicious luggage alert (N/A on Linescan V)
- ◆ Area threshold alert (N/A on Linescan V)
- ◆ E-scan dual energy material discrimination
- ◆ Organic stripping
- ◆ Inorganic stripping

#### Linescan 215/III

- ▶ Dual 17" color monitors
- ▶ .5 meter entry/exit conveyors
- ▶ All standard features of the Linescan 215

#### Optional Features:

- ◆ Entry/exit conveyors .1, 1 and 1.5 meters
- ◆ Extended tunnel shields
- ◆ Entrance and exit tables
- ◆ Entrance and exit roller tables
- ◆ Voltage stabilizer
- ◆ CE compliance kit

#### Linescan 215/V

- ▶ All standard features of the Linescan 215/III
- ▶ EDB (120 volt, 60 Hz applications only)
- ▶ Advanced options computer

#### Optional Applications:

- ◆ Threat Image Projection (TIP)
- ◆ Operator Assist (OA)
- ◆ Image Archiving (IA)

# Linescan® 215 Series

## Technical Specifications

### General

Tunnel Opening.....	610mm (24.0") wide x 468mm (18.4") high
Conveyor Height	
Standard.....	635mm (25.0")
Optional.....	792mm (31.2")
Power Requirements:.....	115-120 VAC, 60Hz (15 amp max)
	230-240 VAC, 50Hz (10 amp max)
Conveyor Speed.....	0.23m per sec (45 feet per min) @60Hz.
	0.18m per sec (36 feet per min) @50Hz.
Conveyor Capacity.....	68kg (150 lbs.)

### X-ray

Voltage.....	160kVp constant potential tube
Duty Cycle.....	100%
Cooling.....	Sealed oil bath
Beam Orientation.....	Vertically Upward
X-ray Sensor.....	1152 E-Scan® photo diodes in folded array (L-shaped) configuration
Dose per inspection.....	0.1mR typical

### Physical Specifications

Weight (Uncrated):.....	Approx 591Kgs. (1300Lbs)
Weight (Crated):.....	Approx 727Kgs. (1600Lbs)
Construction.....	Uni-body frame on casters

### Environmental

Operating Temperature.....	0°C to 40°C
Storage Temperature.....	-20°C to 70°C
Humidity.....	95% non-condensing
Airborne Noise Level.....	<70dB (A)

### Imaging and Performance - Linescan 215

Resolution:.....	36 AWG guaranteed, 38 AWG typical
Penetration:.....	27mm steel guaranteed, 29 typical
Contrast Sensitivity:.....	At least 20 levels visible as measured by a step wedge
Digital Memory:.....	1024 x 1024 x 16
Video Display:.....	17" SVGA high resolution, low radiation, ergonomic, flicker free display.

### Imaging and Performance - Linescan 215/III

Resolution:.....	38 AWG guaranteed, 40 AWG typical
Penetration:.....	29mm steel guaranteed, 31 typical
Contrast Sensitivity:.....	At least 22 levels visible as measured by a step wedge
Digital Memory:.....	1024 x 1024 x 16
Video Display:.....	Two 17" SVGA high resolution, low radiation, ergonomic, flicker free displays

### Imaging and Performance - Linescan 215/V

Resolution:.....	38 AWG guaranteed 40 AWG typical
Penetration:.....	29mm steel guaranteed, 31mm typical
Contrast Sensitivity:.....	At least 24 levels visible as measured by a step wedge
Video Display:.....	Two 17" SVGA high resolution, low radiation, ergonomic, flicker free displays

### Computer Specifications (Minimum):

Processor:.....	Intel Pentium™ III, 500MHz
System Memory.....	128 MB Ram
Display:.....	24 Bit-True Color (16.7 Million Colors)
Hard Disk:.....	9 GB High Speed SCSI Disk Storage
Additional Drive:.....	Internal Zip™ Drive

### Radiation Safety

All Linescan X-ray systems are certified to be in full compliance with all radiation safety requirements and external emissions limits as specified in the United States Code of Federal Regulations, Title 21, Section 1020.40 (21CFR1020.40) that apply to our products. Typical leakage radiation is less than 0.1 mR/hr compared to maximum of 0.5 mR/hr permitted by the Federal Standard.

### Operational Standards

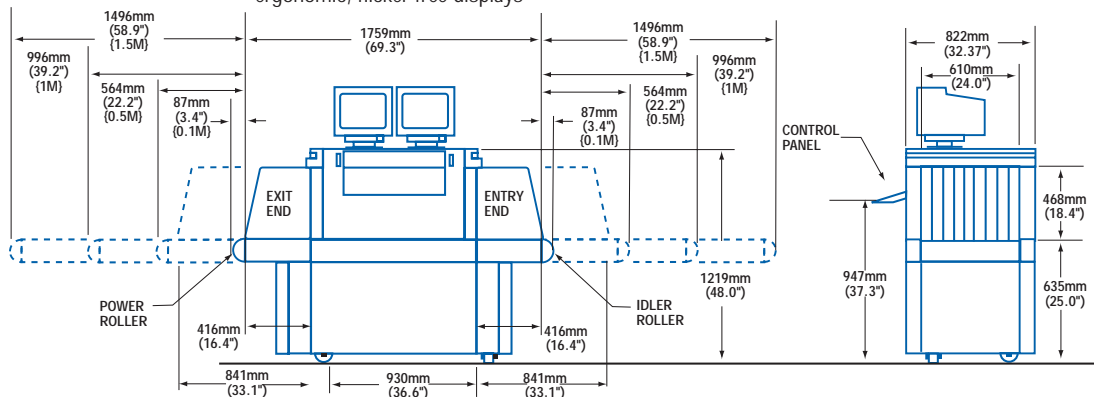
Complies with published International Standards including the U.S. Federal Aviation Administration Standards, "Use of X-Ray Systems" (Federal Standards 14 CFR 108.17 and 14 CFR 129.26).

### Film Safety

Guaranteed for high speed films up to ISO 1600.

### Design Policy

PerkinElmer Instruments reserves the right to change specifications in the course of continuous improvement. Specifications are provided for reference only and actual equipment may differ slightly from the description given. Typical dimensions are within +/- 5% of nominal values.



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