



SensorRail™ IV

Video Rail System

Features

- Provides superior video surveillance by combining one or two PTZ camera on a single trolley, providing the flexibility of a mobile rail system with state-of-the-PTZ cameras and patented two contact video transmission.
- Control the system directly from a matrix keyboard for the ultimate in convenience (matrix dependent)
- Discreet black trolley and low-noise movement provide an extremely covert security solution
- Highly reliable design includes convenient on-screen location, long-lasting contacts rated for 25000 km/year.
- Compatible with the full range of American Dynamics Matrix Switchers/Controllers, and Intellex® Digital Video Management devices including Network Client™ Remote Management Software as well as a variety of competitor systems for easier system integration.

Equipped with one or two programmable PTZ cameras, the SensorRail™ IV video rail system is an ideal solution for surveillance of large to medium retail outlets (hypermarkets), DIY stores, distribution centres, or any location where the ceiling height does not allow for optimal use of a standalone PTZ. Because of its rapid and noiseless movement and use of advanced PTZ features like Zoom Adjusted Programming (ZAP), 60 presets per camera, 6 predefined Tours, SensorRail™ IV provides you with instant visibility to obscure all locations in your facility. Full compatibility with American Dynamics matrix switchers, controllers, and third party products allows SensorRail™ IV to manage the surveillance of your entire facility.

In addition to its industry leading trolley design SensorRail™ IV provides easy to use, state of the art tools that simply cannot be matched for their convenience and cost-savings. The system lets you perform service diagnostics and configuration directly from a matrix keyboard. Unlike other systems in the industry that require you to physically retrieve the trolley unit to update the software, SensorRail™ IV lets you flash new software remotely via RS422.

For additional convenience, you can easily reset the position of the trolley with a simple keystroke, or when replacement is necessary, allowing you to quickly remove the old trolley with ease.

The SensorRail™ IV discreet hanging system and track design ensures an integrated look that seamlessly fits into retail stores, DIY stores, distribution centres and many other applications. For cost-savings, convenience and security, there is no better surveillance solution than the SensorRail™ IV video rail system.

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SPECIFICATIONS

Track

Track Material	Extruded aluminium (non-anodized)
Track Dimensions (H x W x D)	24x 21 x 400 cm
Without Cowling	7.3 x 18.4 x 252 cm
Cowling	22.9 x 21 x 252 cm
Cowling type	Mirrored polycarbonate PTG
Hanging System	Stirrup and single rod attachment
Structure Weight	6. kg/m

Trolley

Carriage Frame	Extruded aluminium anodized black
Speed	
Nominal Speed	2 to 6m/s
Preset Speed	6m/s
Data Transmission	RS-232/422/485
Video Transmission	Direct copper coax contact
Programmable Presets	60 (matrix or control dependent) per camera trolley.
Programmable Tours	Up to 6
Auto Patrol Mode	Five speed setting
Trolley Dimensions (HxWxD)	
Single Dome	20.5 x 16.5 x 90 cm
Dual Dome	20.5 x 16.5 x 90 cm

Weight

Single Dome Trolley	6.1 kg
Dual Dome Trolley	7.8 kg
Fully Equipped	7.8 kg

Electrical

Input Voltage to PowerRail	110-240 VAC - 50/60 Hz
Output Voltage from PowerRail	24 VDC - 3.5A
Trolley Voltage	24 VDC - 2 A

Operational

Operating Temperature	-10° to +50°C
Relative Humidity	0 to 95% noncondensing

Cameras

Effective Picture element	Approx 440,000 pixels
Scanning	625 lines, 50 fields, 25 frames
Horizontal	15.625 kHz
Vertical	50 Hz
Manual Pan/Tilt Speed	110 degrees per second (based on zoom position)
Preset Pan/Tilt Speed	110° per second, maximum
Pan Travel	360° continuous
Tilt Travel	110°
Pan/Tilt Accuracy	± 0.5°
Zoom/Focus Accuracy	± 0.5%

Total Zoom	216x
Optical Zoom	18x
Digital Zoom	12x
Zoom Stop	Yes (user-selectable)
Automatic Proportional Flip	Yes (user-selectable on/off)
Automatic Gain Control	Yes
Automatic White Balance	Yes
Open Shutter	Yes
Password Protection	Yes
Backlight Compensation	Yes
Preference Focus	Yes
Preference Iris	Yes
Zoom Adjusted Programming	Yes
Horizontal Resolution	460 lines at centre
Minimum Illumination	0.7 lux (F1.4, 50 IRE) with 1/4 sec open shutter

Lens

Design	A spherical
Aperture	f1.6
4 mm	47.0° (H) x 35.2° (V)
88 mm	4.0° (H) x 3.0° (V)
Focal Length	4 to 88 mm

Regulatory and Environmental

ETL/UL	Approval, safety certification to ANS1/UL 60950
CETL	Approval Can/CSA C 22.2 # 60950
CE	Approval Low voltage directive compliance

Product Compatibility

Matrix Switchers	Supports up to 16 targets with American Dynamics matrix switchers (except VM96 which supports 999 targets)
Controllers	ADTT 16E (+ RCSN422 Sensornet to RS422 converter)
Digital Video Management Systems	Intellex Ultra, DVMS, IP, LT
Remote Management Software	Network Client v2.4 or higher

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