



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-art 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.

SensorRail™ IV

Technical Information

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 |

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 |

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

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 ADTT16E (+ RCSN422 Sensornet to RS422 converter)
Digital Video Management Systems Intellex Ultra, DVMS, IP, LT
Remote Management Software Network Client v2.4 or higher

For further information on how we can help you, contact your local ADT office:

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