

SensorRail™ IIIe ADRL3TRK Series

SpeedDome® Ultra Programmable
Dome on a Rail

User Guide



About this Manual

This user manual describes how to operate the SensorRail™ IIIe system using AD matrix switchers and controllers. This guide does not explain how to:

- Operate matrix switchers and controllers. See instructions included with the device.
- How to install the product. See Installation Guide 8200-0593-02
- Service the system. See Service Guide 8200-0593-03.

Product Description

The SensorRail IIIe system enables a SpeedDome Ultra dome camera to transmit video as it moves along a rail to the ideal surveillance position. The system consists of:

- Camera trolley that includes a SpeedDome Ultra VII dome camera, an electronic positioning board, and an RF video link system.
- A rail that the camera trolley runs along.
- PowerRail module that supplies dc power to the trolley and converts data.

The SensorRail IIIe system is compatible with all current AD matrix switchers and controllers. Communication between the control device and the rail system is done using an AD RS-422 protocol.

Note: The matrix switcher perceives the rail as a dome camera. Therefore, all dome features are available except privacy zone, competitor's dome protocols, home position, direction indicators, freeze frame, and iris features.

Controlling the Rail System

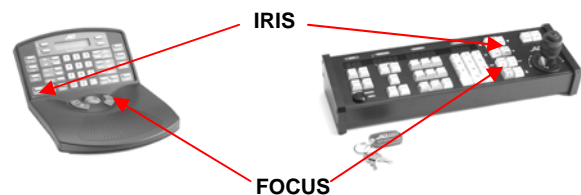
The following devices can be used to control the dome camera as it moves along the rail:

- AD Keyboard (AD2079 / AD2088 / AD2089)
- ADTTE / ADTT16E Touch Tracker®
- VM96 Matrix Switcher
- MegaPower LT
- AD200/300/1100.

Depending on the camera trolley configuration, you move the trolley along the rail by using the Iris OPEN/CLOSE keys (or Focus NEAR/FAR keys) on the Touch Tracker or AD keyboard.

- Press iris OPEN (or focus NEAR) to move the trolley forward.
- Press iris CLOSE (or focus FAR) to move the trolley backward.

Note: Dome Auto-Focus mode is available by simultaneously pressing the iris OPEN and CLOSE keys.



SpeedDome Ultra VIII: If this dome is installed in the trolley, the following features are not recommended:

- Privacy Zones
- Direction Indicators.
- Freeze frame
- Home position

Even if these features are operational, their function depends on the dome remaining stationary.

Programming Presets

Using the keyboard, select the monitor and dome camera, then move the trolley to the desired location and define the preset.

Programming Patterns

Patterns are a series of pan, tilt, zoom, and position settings (including the trolley position on the rail). For each dome on a trolley, you can program up to three patterns with each containing up to 98 commands and lasting no more than 6 minutes, 50 seconds.

Using the keyboard, select the monitor and dome camera, then move the trolley to the desired location and define and store the pattern.

Patrol Mode

Patrol Mode (Pattern #3) moves the trolley 1.5m/s (4.92ft/s) the length of the rail 10 times, flipping the position of the camera each time it reverses.



CAUTION: DO NOT use Pattern #3 as part of a sequence. Patrol Mode is dedicated to Pattern #3. Reprogramming Pattern #3 will delete Patrol Mode permanently.



CAUTION: Avoid using the Patrol Mode for prolonged periods as it may affect your warranty and service schedule. Preventive maintenance is not included in the warranty agreement.

VM96 Matrix Switcher: Place the trolley and dome in the pattern starting position. While programming a pattern, use Focus NEAR and FAR keys to drive the trolley (even if the SensorRail software was set up to use the Iris CLOSE and OPEN keys).

Sequences

Sequences are a series of camera scenes that display one after another on a monitor for a specified duration. Scenes included in the sequence are called events, and the number of events available for programming depends on the matrix switcher.

System Limitations:

- The maximum duration for an event in the sequence is 90 seconds for the ADTT16E.

- When trolley movement is included in a sequence, the trolley requires time to move to another position, whereas the dome switches to its position immediately. When creating a sequence, allow time for trolley movement. For example, a trolley takes 19 seconds to move across a 50m (164ft) rail.



Avoid using sequences for prolonged periods as it may affect your warranty and service schedule. Preventive maintenance is not included in the warranty agreement.

Auxiliary Output Functions

The following Aux outputs toggle functions in the trolley.

- *Aux 1:* Invokes a soft reset in the trolley. It is used only if the trolley is non-responsive or abnormal behavior occurs. In some cases, several pan/tilt commands need to be sent to the dome to configure the proper protocol being used. This is normal. Turn Aux 1 off when done.
- *Aux 2:* Displays the trolley distance traveled (in km) and software version on the video monitor for about 5 seconds using the dome text overlay. Turn off Aux 2 when done.
- *Aux 3 or Aux 4:* Use to access the dome menu system. Turn on one of these Aux outputs depending on the matrix switcher and protocol used. Go into the menu system and turn off Aux 3 or Aux 4 when done.
- *Switching all Aux outputs off:* Clears the condition when the matrix switcher is in another Aux state other than the dome Aux state (the dome was reset or power reset but not the matrix switcher).

Auxiliary output functions can be performed from any AD keyboard or Touch Tracker.

Airborne Noise Measurements

The continuous sound level falls below 70dB. This device has been tested and is deemed to have passed the Machinery Directive.

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