



EXPLORE A NEW ERA  
OF RAIL TRANSIT SAFETY  
**SMART RAIL TRANSIT SOLUTION**

 smart solution **2.0**

**RAIL TRANSIT**

# Hikvision's Smart Rail Transit Solution

Public rail transit safety is absolutely critical. Passengers must be kept safe at all times, especially during unexpected events. Protecting citizens from violence, theft, crime, and the intentional targeting of public facilities requires the right tools. When an incident occurs, authorities need to take action and make the right decisions. A high performance, high definition and high-reliability surveillance system is essential.

Hikvision's Smart Rail Transit Solution equips you with everything necessary to ensure the highest level of surveillance technology. This solution includes a powerful, dedicated, on-board recorder with expansive storage capacity and complete data protection. Compact on-board cameras with high-megapixel resolution, IR visibility, and Smart IP cameras protect station perimeters. This brochure will guide you through Hikvision's proven technologies specifically designed to keep your railways safe.



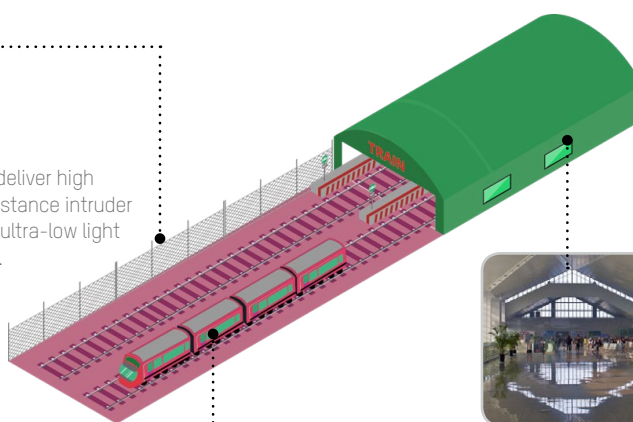
## Perimeter Protection

Hikvision's Dual-Lens Thermal Cameras deliver high performance thermal imaging for long distance intruder detection. And our DarkFighter provides ultra-low light visual imaging for intruder identification.



## On-board Recording

Hikvision has developed dedicated rail cameras and recorders to help transit authorities prevent and deter abnormal activities and assist post-event investigation as well.



## In-station Monitoring

Hikvision's two PanoVu Multi-Sensor Camera models provide 360- or 180-degree panoramic views through four or eight DarkFighter sensors and one PTZ camera for detailed capturing.

## On-board Recording



**DS-MP3516-RS/GW**  
On-board Network Recorder



- 16 channels video/audio input
- Support up to 6 x 2.5-inch HDDs/SSDs
- 1-ch CVBS output, 1-ch VGA output
- Support Wi-Fi connection
- Support 3G connection \*only for GW model
- 2 x Ethernet ports with M12 plug
- Built-in G-sensor
- Wide power range protection
- Super capacitor for power-off protection
- Patented anti-vibration design



**DS-2XM6362F-I (S)**  
On-board Fisheye Network Camera



- Up to 3072 x 2048 high resolution
- 360° panoramic view
- Hardware & software de-warping
- Up to 4 e-PTZ with HD resolution
- 3 IR illuminators, up to 15m IR range
- Built-in MIC & speaker
- Audio/alarm IO optional (-S)

## Perimeter Protection



**DS-2TD4035D**  
Thermal+Image Dual Lens  
PTZ Camera

**DARKFIGHTER**

Dual Lens	SMART Detection	150m IR	SMART Tracking
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### Thermal Imager

- VOX Uncooled focal plane detector
- Up to 384 x 288 resolution
- 25mm lens, FoV: 21.7° or 50mm lens, FoV: 11°
- Smart Tracking: Panorama tracking, Event tracking, Multi-scene Patrolling
- Smart Detection: Intrusion detection, Line Crossing detection, Region Entering/Exit detection, Audio Exception detection, Hot Spot detection.

### Visual Imager

- 1/3" progressive scan CMOS
- Up to 1920 x 1080 resolution
- 150m IR range
- Pan: 360°endless; tilt: -15°~ 90°
- Support ROI

### General

- Support on-board storage, Micro SD/SDHC/SDXC (card no included)
- Audio I/O: 1/1; Alarm I/O: 7/2
- Protection: IP66 protection
- Built-in heater
- AC24V, max 50W
- -4°C ~ 65°C working temperature
- DS-2TD4035D-25/50
- Thermal+Image Dual Lens PTZ Camera



**DS-2TD2235D**  
Thermal+Image Dual Lens  
Bullet Camera

**DARKFIGHTER**

Dual Lens	SMART Detection	120m IR	120dB WDR
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### Thermal Imager

- VOX Uncooled focal plane detector
- Up to 384 x 288 resolution
- 25mm lens, FoV: 21.7° or 50mm lens, FoV: 11°
- Smart Detection: Intrusion detection, Line Crossing detection, Region Entering/Exit detection, Audio Exception detection, Hot Spot detection.

### Visual Imager

- 1/1.8" progressive scan CMOS
- Darkfighter Ultra low light
- Up to 1920 x 1080 resolution
- 120m IR range
- 23mm/40mm fixed lens
- Support ROI

### General

- Support on-board storage, Micro SD/SDHC/SDXC (card no included)
- Audio I/O: 1/1; Alarm I/O: 1/1
- Protection: IP66
- Built-in heater
- AC24V, max 40W
- -40°C ~ 65°C working temperature

## In-station Monitoring



**DS-2DP1636Z-D**  
PanoVu series 16MP  
360°Panoramic+PTZ Camera

**PanoVu**

### Panoramic Camera

- 8 x 1/1.9" Progressive Scan CMOS, up to 2 x 4096 x 1800 resolution @30fps
- Horizontal angle of view: 360°, Vertical angle of view: 78°
- Min. Illumination: 0.002Lux@(F1.8,AGC ON)(Color), 0.0002Lux@(F1.8,AGC ON)(B/W)
- IP66

### Tracking Camera

- 1/1.9" Progressive Scan CMOS, up to 1920 x 1080 resolution @30fps
- Min. Illumination: 0.005Lux@(F1.5,AGC ON)(Color), 0.0005Lux@(F1.5,AGC ON)(B/W)
- 23X optical zoom, 16X digital zoom
- 360° endless pan range and -15°~ 90° tilt range
- 540°/s Pan Preset Speed and 400°/s Tilt Preset Speed
- 0.1°~ 300°/s Manual Pan Speed and 0.1°~ 240°/s Manual Tilt Speed
- 300 presets programmable; preset image freezing capability
- 8 patrols, up to 32 presets per patrol
- Power-off memory: restore PTZ & Lens status after reboot
- IP66



**DS-2DP0818Z-D**  
PanoVu series 16MP  
360°Panoramic+PTZ Camera

**PanoVu**

### Panoramic Camera

- 4 x 1/1.9" Progressive Scan CMOS, up to 4096 x 1800 resolution @30fps
- Horizontal angle of view: 180°, Vertical angle of view: 78°
- Min. Illumination: 0.002Lux@(F1.8,AGC ON)(Color), 0.0002Lux@(F1.8,AGC ON)(B/W)
- IP66

### Tracking Camera

- 1/1.9" Progressive Scan CMOS, up to 1920 x 1080 resolution @30fps
- Min. Illumination: 0.005Lux@(F1.5,AGC ON)(Color), 0.0005Lux@(F1.5,AGC ON)(B/W)
- 23X optical zoom, 16X digital zoom
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