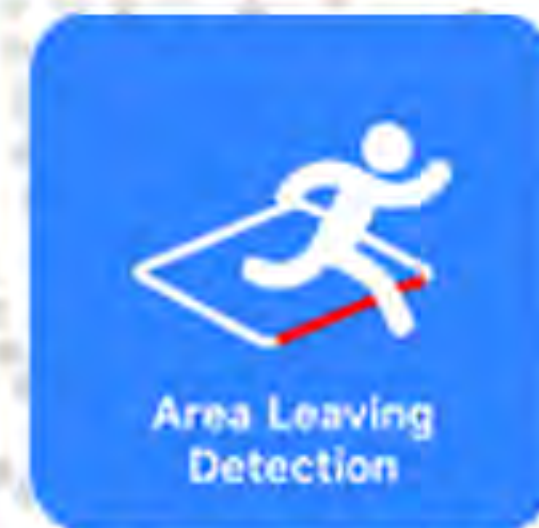
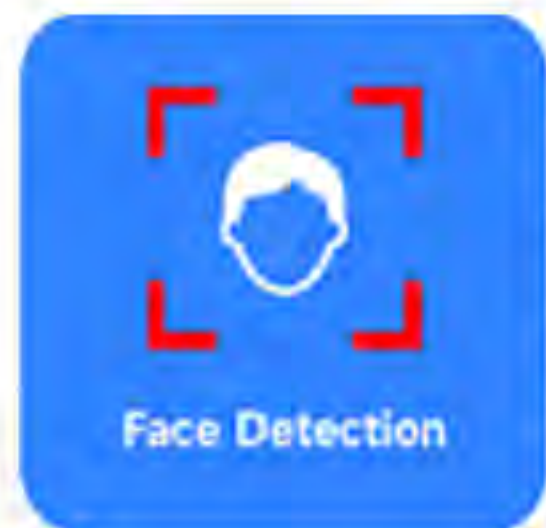


8MP Panoramic Turret Camera

Datasheet



TrueCCTV TR-IP8PAN-W

The TrueCCTV TR-IP8PAN-W 8MP Panoramic Camera offers ultra-wide 180° surveillance coverage in stunning 4K (4096 × 1944) resolution, powered by a 1/2.7" CMOS sensor and dual 2.8mm F1.6 fixed lenses. Ideal for large open areas, this camera captures expansive views without blind spots, delivering sharp detail at up to 20fps. Advanced detection features—including face, human, and vehicle recognition, as well as line crossing and zone-based intrusion alerts—enable proactive, intelligent monitoring for both commercial and high-security environments.

Designed for all-day, all-weather performance, the TR-IP8PAN-W features three lighting modes (Smart Dual Light, Infrared, and Full-Color Warm Light) to adapt to changing conditions, with visibility up to 30 meters. The robust IP67-rated housing provides strong water and dust resistance, while lightning protection and PoE support ensure reliable and efficient installation. With built-in two-way audio, MicroSD storage up to 512GB, and full compatibility with RTSP, Onvif 23.12, and major NVR brands, this NDAA-compliant panoramic camera is a powerful solution for wide-area coverage and real-time situational awareness.

Key Features

- 1/2.7" Sony CMOS sensor
- 8MP 180 °wide-angle resolution 4K 4096 x 1944P (19:9)
- Face Detection, Human & Vehicle Detection, Line Crossing, Area Entry/Leaving Detection, Area Intrusion Detection
- Low illumination 0.01Lux
- Day/Night (ICR), AWB, AGC, BLC, 2D/3D-DNR, IR-CUT
- WDR, Motion Detection, Privacy Mask, Flip
- RTSP and Onvif 23.12 Compatible
- H.264/H.265 dual-stream media server
- Easy-to-use P2P Cloud service
- RTSP and Onvif 23.12 Compatible
- Multi web browser, PC Client, Mobile App, Remote access
- RJ45 100Mbps Network Port, IEEE802.3af PoE
- Lightning Protection 4000V
- Strong Water-proof Housing, IP67 Rating
- Three light Modes: Mode 1: Smart Dual Light, Mode 2: Pure Infrared Light, Mode 3: Pure White Light
- 2*F1.6 2.8 mm Fixed lens
- Built-in Mic and speaker two-way audio
- Reset Button & SD card slot , support UP to 512GB SD Card



Camera	
Image Sensor	1/2.7" 5MP GALAXYCORE GC5623 CMOS x2
Soc Chip	Sigmastar SSC359G
Effective Pixels	4096(H)×1944 (V)
Exposure Shutter	AUTO/Manual: 1/10s ~ 1/8000s, Max Shutter speed adjustable
Day/Night	Auto(Active/passive/schedule)/Day/Night, switch threshold, sensitivity, anti-flicker(Auto/50Hz/60Hz)
Image Adjust	Brightness,Saturation,Sharpness,Contrast,Denoise (0-100%) adjustable
White Balance	AWB/MWB

Structure Diagrams

