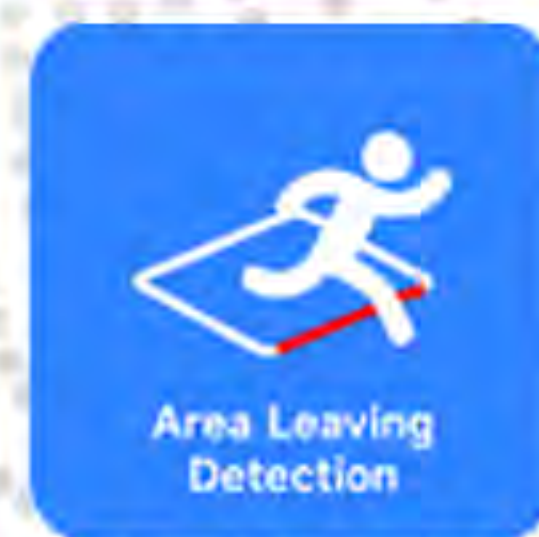
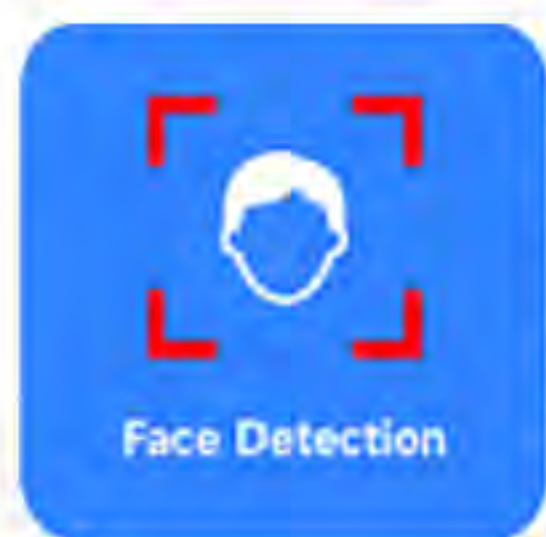


8MP Outdoor Vandal Resistant Dome Camera

Datasheet



TrueCCTV TR-IPODO8MP-W

The TrueCCTV TR-IPODO8MP-W is a high-performance 8MP outdoor dome camera engineered for demanding security applications. Equipped with a 1/2.8" Sony CMOS sensor, it delivers crisp 4K (3840×2160) resolution at 20fps, providing exceptional image clarity day or night. Its advanced motion analytics—including face detection, human and vehicle classification, line crossing, and intrusion alerts—enhance perimeter protection while minimizing false alarms. The built-in dual-light system with IR and warm LEDs offers full-color video at night with up to 30 meters of visibility, and the 2.8mm fixed lens captures a wide field of view for comprehensive coverage.

Designed for durability, the TR-IPODO8MP-W features a vandal-resistant IK10-rated housing and IP67 waterproof rating, ensuring reliable operation in harsh weather and high-traffic areas. It includes onboard two-way audio, edge storage with SD card support up to 512GB, and PoE connectivity for streamlined installation. With support for RTSP, Onvif 23.12, and a wide range of third-party NVRs—including Hikvision, Uniview, and Digital Watchdog—the camera is easy to integrate into existing systems. NDA A compliance and

Key Features

- 1/2.8" Sony CMOS sensor
- 4K resolution 3840 x 2160P
- 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.265/ H.264 Dual-stream Media Server
- Easy-to-use P2P Cloud Service
- 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
- 2pcs IR LEDs & 2pcs Warm Light, Light Distance:20-30M (Default with Warm light , Full Color type)
- 2.8mm F1.6 Fixed Lens
- With Two Way Audio (Speaker & Mic)
- With SD Slot upto 512G



Camera	
Image Sensor	1/2.8" 8MP Sony IMX415 CMOS
Soc Chip	Sigmastar SSC378QE
Effective Pixels	3840(H)×2160 (V)
Exposure Shutter	AUTO/Manual: 1/10s ~ 1/8000s, Max. Shutter speed adjustable
Day/Night	Auto(Active/passive/schedule)/Day/Night, switch threshold, sensitivity
Image Adjust	Brightness,Saturation,Sharpness,Contrast,Denoise (0-100%) adjustable
White Balance	AWB/MWB
WDR	100db WDR
Light Mode	Smart(dual-light) / Infrared / White light, adjustable
Light Control	Auto/Manual, Brightness level (0-100%) adjustable
DNR	2D/3D DNR
Encode	
Video Standard	H.264/H.265/MJPEG
Video Resolution	Main Stream: 20fps@8MP(3840x2160)(default),30fps@6MP(3072x2048)/5MP(2592x1944)/4MP(2560x1440)/3MP(2304x1296)/1080P/720P Sub stream: 10fps@720P,30fps@D1(704x576)(default)/(720x480)/VGA(640x480)/QVGA(640x360) Third stream: 10fps@720P(default),30@D1(704x576)/(720x480)/VGA(640x480)/QVGA(640x360) -- (when third stream customized enabled, Face Detection and Perimeter protection will be disabled)
Video Bitrates	Main stream: 64kbps-8Mbps Sub/third stream: 64kbps-2048kbps VBR/CBR , quality(1-9), GOP(1-128)
Image Rotation	0 / 90 / 180 / 270 degree adjustable
Border Crop	X crop, Y crop
Image Mirror	horizon / vertical / horizon&vertical adjustable
OSD Overlay	Font size(1-4), position,Time, Title, AM/PM, Color, User OSD, Alarm OSD
Privacy Mask	4 areas
Region of Interest	ROI: Each stream support 8 areas
Audio Standard	G.711-u/G.711-a/AAC/PCM, AEC
Two Way Audio	Speaker & Mic
Led	
Light	2pcs IR LEDs & 2pcs Warm Light
Light Distance	20-30M
Lens	
Focal length	F1.6 2.8 mm Fixed Lens



Smart Detection	
Motion Detection	Yes
Digital IO Alarm	1 pair Alarm-in/Alarm-out, normally open/normally close
Human & Vehicle Detection	support
Cross Line Detection	support
Perimeter protection	support
Face Detection	support
Target Detection Type	Human , vehicle, non-motor vehicle, Pet, Face (32px-800px)
Trigger Action Linkage	Snapshot, Record, Relay, White LED Flash, Email, FTP, NAS storage (optional)
Simultaneous Detection	Maximum 16 targets simultaneous detection
Storage Type	Schedule/Trigger: Email, FTP, NAS
Network Services	
Protocol	HTTP(s)/RTSP/FTP/SMTP/DHCP/NTP/DST/RTP/RTMP/P2P/HiK/IPv4/IPv6/NFS
P2P Mobile APP	Android, IOS
Web Access	IE, Firefox, Chrome, Edge, Safari, etc.
PC Tool	Windows, Mac
ONVIF	23.12 compatible (profile S G T M)
General	
Network Port	1-RJ45, 100Mbps, POE optional
Power Supply	12 VDC $\pm$ 10%
Power Consumption	< 8 W
Operating Temp.	-20 $^{\circ}$ C-(+60) $^{\circ}$ C, 10%-90%RH

Structure Diagrams

