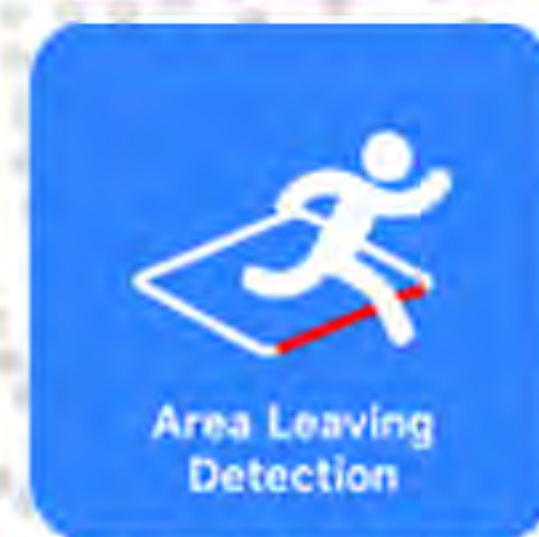
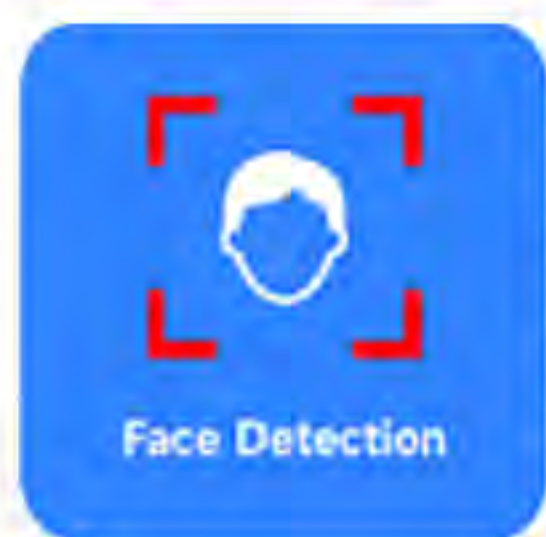


5MP Outdoor Vandal Resistant Dome Camera

Datasheet



TrueCCTV TR-IPODO5MP-W

The TrueCCTV TR-IPODO5MP-W 5MP Outdoor Vandal Resistant Dome Camera delivers crisp high-definition surveillance with intelligent detection capabilities tailored for secure outdoor monitoring. Featuring a 1/2.8" CMOS sensor, this camera captures 5MP video at up to 25fps, supported by a 2.8mm fixed lens and dual-light illumination that enables clear, full-color imaging even in low-light conditions up to 30 meters. With built-in analytics such as face, human, vehicle, line crossing, and area intrusion detection, it offers smart, proactive threat monitoring that minimizes false alerts and enhances situational awareness.

Engineered for durability and ease of deployment, the TR-IPODO5MP-W features an IK10 vandal-proof dome, IP67-rated waterproof housing, and lightning protection up to 4000V, making it ideal for harsh environments. It supports two-way audio, PoE connectivity, edge storage via MicroSD up to 512GB, and seamless integration with most NVR systems through RTSP and ONVIF 23.12. With H.265/H.264 dual-streaming, mobile app support, and NDAA compliance, this camera offers a powerful balance of reliability, advanced features, and installation flexibility for both commercial and residential applications.

Key Features

- 1/2.8" Sony CMOS sensor
- 5MP HD Resolution Output
- Face Detection, Human & Vehicle Detection, Line Crossing, Area Entry/Leaving Detection, Area, Intrusion Detection
- Low illumination 0.01Lux
- Day/ Night (ICR), AWR, 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" Sony IMX335 CMOS
Soc Chip	Sigmastar SSC377D
Effective Pixels	3072(H)×2048 (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) / Pure Infrared / Pure 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: 25fps@6MP(3072x2048),30fps@5MP(2592x1944)/4MP(2560x1440)/3MP(2304x1296)/1080P/720P Sub stream: 10fps@720P,30fps@D1(704x576)/(720x480)/VGA(640x480)/QVGA(640x360)
Video Bitrates	Main stream: 64kbps-8Mbps Sub 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 (Default with Warm Light, Full Color type)
Light Distance	20-30M
Lens	
Focal length	F1.6 2.8mm 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 Shape, 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%

Structure Diagrams

