

5MP Mini Turret Camera

Datasheet



NDA



TrueCCTV TR-IP5MT28-W

The TrueCCTV TR-IP5MT28-W 5MP Mini Turret Camera offers high-performance video surveillance in a compact, discreet housing ideal for both indoor and outdoor use. Featuring a 1/3" CMOS sensor, this camera captures 5MP HD resolution video at up to 25fps and is equipped with a 2.8mm F1.6 fixed lens to provide wide-angle coverage. Enhanced with intelligent analytics—including face, human, and vehicle detection, as well as line crossing and intrusion alerts—it delivers smart monitoring capabilities to proactively detect suspicious activity.

Built for day and night performance, the camera includes a dual-light system with IR and warm LEDs, offering full-color night vision with a 20–30 meter range. The rugged IP67-rated housing, internal microphone, and PoE support ensure flexible, weather-resistant installations in both residential and commercial settings. With H.265/H.264 dual-streaming, remote access via mobile or PC client, and compatibility with RTSP and Onvif 23.12, this mini turret camera blends smart features with simple deployment for reliable 24/7 surveillance.

Key Features

- 1/3" CMOS sensor
- Dual light IR & warmlight
- 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
- 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 Warm Light & IR LEDs, Light Distance: 20–30M (Default Warm Light with Full Color)
- 2.8mm F1.6 Fixed Lens
- Internal Microphone



Camera	
Image Sensor	1/3" GC4653 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
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
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
Built-in Mic	Yes
Led	
Light	2PCS Dual Light (Warmlight&IR LEDs), (Default Warm Light with Full Color)
Light Distance	20-30M
Lens	
Focal length	2.8mm F1.6 Fixed Lens



Smart Detection	
Motion Detection	Yes
Digital IO Alarm	1 pair Alarm-in/Alarm-out, normally open/normally close
Human & Vehicle Detection	Yes, (2-20 meters)
Cross Line Detection	Yes, 4 lines
Perimeter protection	Yes, 4 areas
Face Detection	Yes, (1-5 meters)
Target Detection Type	Human Shape, vehicle, non-motor vehicle, Pet, Face (12-1000 pixel)
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

