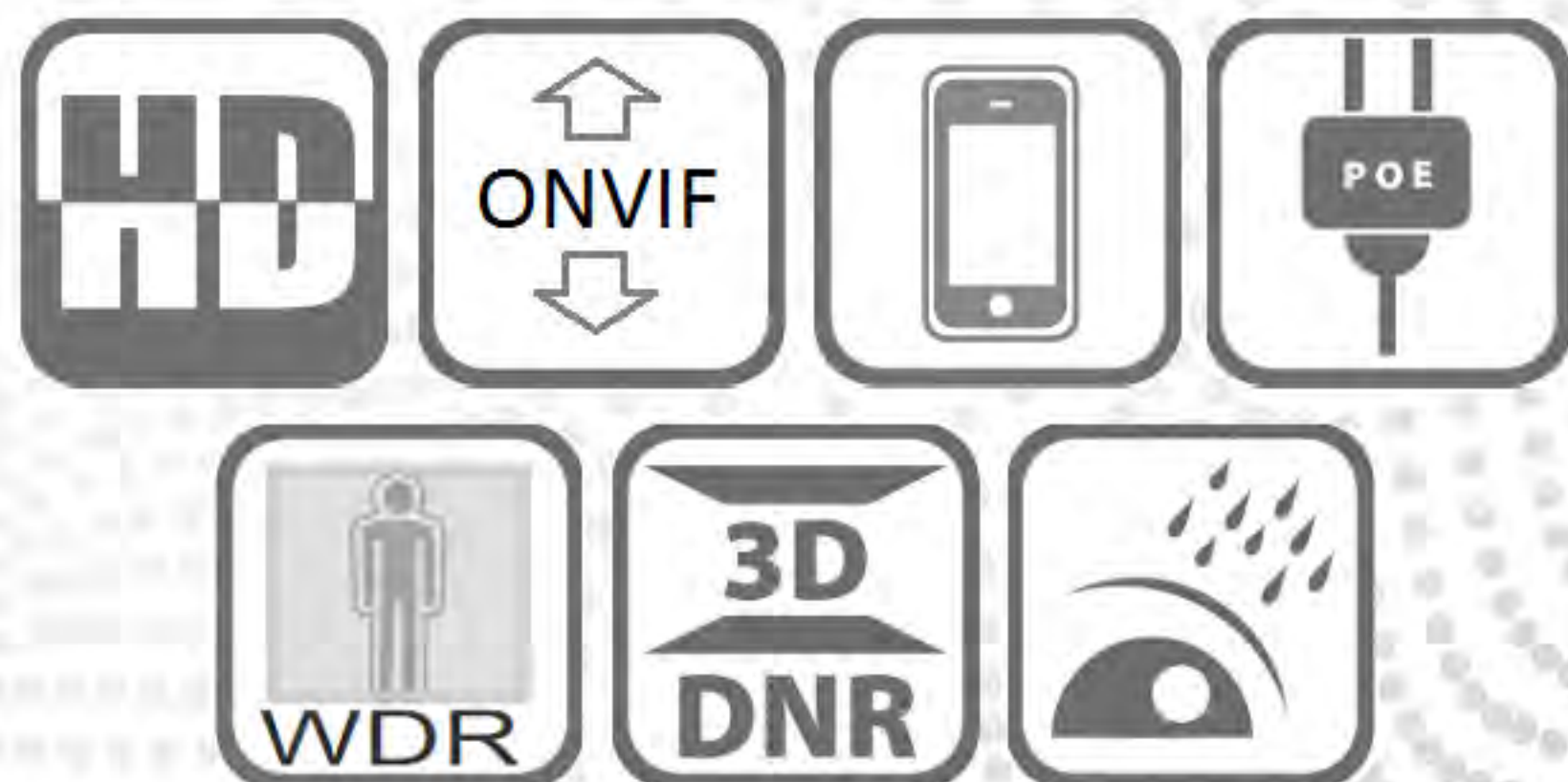




12MP Dual Light Turret IP Camera

Datasheet



NDAA ✓

TrueCCTV TR-IP12TW28

The TrueCCTV TR-IP12TW28 12MP Dual Light Turret IP Camera offers advanced security with its 12MP resolution and 1/2.3" Sony IMX577 CMOS sensor. It provides clear color vision and night vision up to 40 meters with dual-light LEDs, capturing detailed footage even in low light (0.01Lux). NDAA-compliant, it includes features like two-way audio with a built-in microphone and speaker, motion detection, human and vehicle detection, RTSP/Onvif compatibility, PoE support, and IP67 waterproof housing for durability.

Key Features

- NDAA Compliance (The fully NDAA-compliant products are well suited for government, defense and a range of projects subject to the NDAA.)
- 1/2.3" Sony IMX577 CMOS sensor
- 12MP resolution 4000 x 3000P
- Low illumination 0.01Lux
- Day/Night, AWB/MWB,BLC, HLC, 2D/3D-DNR,Shutter, IR-CUT D-WDR, Mirror, Defogging
- Multiply Style OSD Overlay,Motion Detection, Privacy Mask
- RTSP and Onvif 17.06 compatible with many third-party NVR
- H.264/H.265 dual-stream media server
- Easy-to-use P2P Cloud service
- Support user authentication, video data encryption
- Support Alarm Snapshot to Email and FTP
- Multiply WEB browser IE, Firefox 32bit ESR, PC Client, Mobile APP remote access
- RJ45 100Mbps network port, IEEE802.3af PoE
- Lightning protection 4000V
- Strong water-proof housing, IP67
- 4PCS dual light LEDs,soft and warm Light distance:30-40M, IR distance: 30-40M
- 4 mm F1.6 fixed lens
- Built-in Microphone and speaker, two way audio, with SD card slot
- Human body and Vehicle detection



Camera	
Image Sensor	1/2.3" Sony IMX577 CMOS
Effective Pixels	12 megapixels
Electronic Shutter	AUTO, 1/25s ~ 1/100000s
Min. Illumination	0.01Lux@F1.2(AGC ON), 0Lux IR on
Day/Night	Auto/Color/(B/W)/Timing
WDR	Digital WDR
White Balance	Auto/Manual
BLC /HLC	Support
DNR	2D/3D DNR
Light Control	Auto/Manual, Mode switch, Brightness level, OFF, Light ON Illumination
License Plate Mode	Yes
Other	Multi-lines OSD, Custom Title, Privacy Mask, Flip
Encode	
Video Standard	H.265+/H.265/H.264
Video Resolution	MainStream:25/30fps@12MP(4000x3000)/8MP(3840x2160)/6MP(3072x2048)/5MP(2592x1944)/4MP/3MP/1080P/720P,etc. Sub stream: 720x480/VGA(640x480)/360P/QVGA@30fps,etc.
Video Bitrates	512Kbps - 12Mbps, VBR/CBR
Audio Standard	G.711-u/G.711-a/AAC
Built-in Mic	Yes, Audio Echo Cancellation
Built-in Speaker	Yes, Two-way audio
Memory Slot	Yes, maximum 512GB
OSD Overlay	Title and Time overlay, Snapshot
Smart Detection	
Motion Detection	Support
Target Detection	Human and Vehicle Detection
LED and distance	
Led	4pcs IR&Warm-light dual-wick Led
IR Distance	30-40 M
Lens	
Focal length	4 mm F1.6 Fixed lens



Language	
English, simplified Chinese, Chinese Traditional, Deutsch, Italian, Turkish, Polish, Korean, Japanese, Russian, Ukrainian, Persian.	
Network Services	
Protocol	HTTP/RTSP/FTP/SMTP/DHCP/NTP/NFS, etc.
P2P	Yes
Web	IE , Firefox (32bit esr),Chrome ,Edge ,etc.
Media	CMS, Android, IOS
ONVIF	17.06 compatible
General	
Network Port	1-RJ45, 100Mbps
Power Supply	12 VDC \pm 10%
POE	802.3af/at 48V
Power Consumption	< 10 W
Operating Temp.	-30°C-(+60)°C, 10%-90%RH

Structure Diagrams

