8MP White IP Mini Dome Camera with LED Spotlight

Datasheet

HD | ONVIF | | POE | 3D DNR

NDAA ✓

TrueCCTV TR-IP8DO28

The TrueCCTV TR-IP8DO28 8MP White IP Mini Dome Camera with LED Spotlight delivers ultra-high-definition 4K surveillance in a compact, durable design built for reliable indoor and outdoor monitoring. Equipped with a 1/2.7⬚ CMOS sensor, the camera captures crisp 8MP video at 3840 × 2160 resolution while maintaining excellent low-light performance down to 0.01Lux. Advanced imaging features including Day/Night (ICR), Automatic White Balance, 2D/3D Digital Noise Reduction, IR-Cut filtering, and Digital Wide Dynamic Range ensure clear and balanced video in challenging lighting environments.

Designed for flexible deployment, the TR-IP8DO28 features dual illumination with infrared and warm LED spotlight lighting, providing enhanced nighttime visibility at distances of up to 10–15 meters. Built-in motion detection, privacy masking, and image flip functions provide intelligent monitoring and installation versatility. The camera supports H.265 and H.264 dual-stream compression for efficient bandwidth and storage management, along with RTSP and ONVIF 17.06 compatibility for seamless integration with most NVR systems.

Key Features

• 1/2.7" CMOS sensor
• 8MP HD resolution 3840×2160 4K output
• Ultra low illumination 0.01Lux
• Day/Night (ICR), AWB, 2D/3D-DNR, IR-CUT
• D-WDR, Motion Detection, Privacy Mask, Flip
• RTSP and Onvif 17.06 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, IP66
• 2pcs IR & Warm Light LEDs, Light distance 10-15 meters
• HD 2.8/3.6 mm fixed lens optional
• Plug-and-play with most NVRs

Camera

Image Sensor	1/2.7" 8MP CMOS
Effective Pixels	3840×2160
Electronic Shutter	AUTO/Manual: 1/10s ~ 1/10000s, shutter threshold
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, Reset button

Encode

Video Standard	H.264/H.265/H.265+
Video Resolution	Main Stream:

Lens

Focal length	2.8/3.6 mm fixed lens

Language

English, simplified Chinese, Chinese Traditional, Deutsch, Italian, Turkish, Polish, Korean, Japanese, Russian, Ukrainian, Persian.

Network Services

Protocol	HTTP/RTSP/FTP/NFSv3/SMTP/DHCP/NTP/RTMP, etc.
P2P	Yes
Web	IE, Firefox, Chrome, Edge, Safari, etc.
Media	CMS, Android, IOS
ONVIF	17.06 compatible

General

Network Port	1-RJ45, 100Mbps
Power Supply	12 VDC ± 10%
POE	802.3af/at 48V

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General	
Network Port	1-RJ45, 100Mbps
Power Supply	12 VDC ± 10%
POE	802.3af/at 48V
Power Consumption	< 8 W
Operating Temp.	-30°C-(+60)°C, 10%-90%RH

Structure Diagrams