

8MP(4K) IR Fixed Turret Network Camera



MODEL **TI-NC428-XDA-28**



KEY FEATURES

- 8MP 4K (3840 × 2160) at 20 fps, 1/2.8" Sony IMX415 CMOS Sensor
- Face Detection, Human & Vehicle Detection, Line Crossing, Area Entry/Leaving Detection, Intrusion Detection
- Low Illumination: 0.01 Lux
- Day/Night (ICR), AWB, AGC, BLC, 2D/3D DNR
- 100 dB WDR, Motion Detection, Privacy Mask, Image Rotation & Mirror
- H.265 / H.264 Compression, Dual Streams
- RTSP Support, ONVIF 23.12 Compatible (Profiles S / G / T / M)
- P2P Cloud Service, Web Browser, PC Client & Mobile App Access
- RJ45 100 Mbps Network Port
- 4000 V Lightning Protection
- IP67 Water- and Dust-Resistant Housing
- 18 SMD IR LEDs, IR Distance 20–30 m (66–98 ft)
- 2.8 mm Fixed Lens Options
- Built-in Microphone (Optional)
- MicroSD Card Slot, up to 512 GB, Reset Button
- Alarm Input / Output

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SPECIFICATIONS

Model	TI-NC428-XDA-28
Camera	
Image Sensor	1/2.8" 8MP Sony 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	100 dB WDR
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
Built-in Mic	Optional
Led	
Light	18pcs SMD IR LEDs
IR Distance	20-30M
Lens	
Focal length	2.8 mm Fixed Lens
Language	

English, simplified Chinese, Chinese Traditional, Korean, etc.

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SPECIFICATIONS

Model	TI-NC428-XDA-28
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, Micro-SD, Email FTP, NAS storage (optional)
Simultaneous Detection	Maximum 16 targets simultaneous detection
Storage Type	Schedule/Trigger:Micro-SD(512G), Email, FTP, NAS
Network Services	
Protocol	HTTP(s)/RTSP/FTP/SMTP/DHCP/NTP/DST/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.	-4°F to 140°F (-20°C to 60°C), 10%–90% RH

DIMENSIONS

