

TECHNICAL PRODUCT SHEET

TDOBIM830LP

4K HD Chrominance Fixed Bullet Network Camera



Key Features

- High-quality image with 8MP, 1/2.7" CMOS sensor
- 8MP (5120× 1440) @20fps
- The double lens splicing technology is adopted to realize the horizontal viewing angle of 180°±10°
- Chrominance technology ensures 24-hour full-color images
- Based on target classification, smart intrusion prevention significantly reduce false alarm caused by leaves, birds and lights etc., accurately focus on human and, motor vehicle and non-motor vehicle
- Intelligent People Flow Counting and Crowd Density Monitoring
- Auto Scene Match (ASM) (Only WDR)
- Alarm: 1 in/1 out, Audio: 1 in/1 out
- Built-in speaker and dual mics
- Supports up to 512GB Micro SD Card
- 12VDC/PoE power supply

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Specifications

Camera	
Sensor	1/2.7" CMOS
Min. Illumination	Colour:0.0005lux (F1.0, AGCON)
Shutter	Auto/Manual,1 ~ 1/100000s
AdjustmentAngle	Pan:0° ~ 360°, Tilt: 0° ~ 90°, Rotate:0° ~ 360°
S/N	>52dB
WDR	130dB
Lens	
Focal Length	2 × 4.0mm
Iris	F1.0
Field of View(H)	180°±10°
Field of View(V)	47.41°
Field of View(D)	180.13°±10°
Lens Type	Fixed
DORI	
DORI Distance (Lens)	4.0mm
DORI Distance (Detect)	90m(299.3ft)
DORI Distance (Observe)	36m(118.1ft)
DORI Distance (Recognize)	18m(59.1ft)
DORI Distance (Identify)	9m(29.5ft)
Illuminator	
Supplemental Light	Warmlight
Illumination Distance (Warm Light)	30m (98.4ft)
Light On/Off Control	Auto/Manual
Video	
Video Compression	Ultra 265, H.265, H.264, MJPEG
H.264 Code Profile	Baseline profile, Main profile, High profile
Frame Rate	Main Stream:8MP(5120*1440),Max20fps Sub Stream:2560*720Max20fps
Video Bit Rate	128Kbps to 16Mbps
U-code	Support
OSD	Up to 8 OSDs
Privacy Mask	Up to 4 areas
ROI	Support
Video Stream	Doublestreams
Image	
Smart Illumination	Support
White Balance	Auto, Outdoor, Fine Tune, Sodium Lamp, Locked, Auto2
Digital Noise Reduction	2D/3DDNR
Auto Scene Match (ASM)	Support (only WDR)
Flip	N/A
Dewarping	N/A

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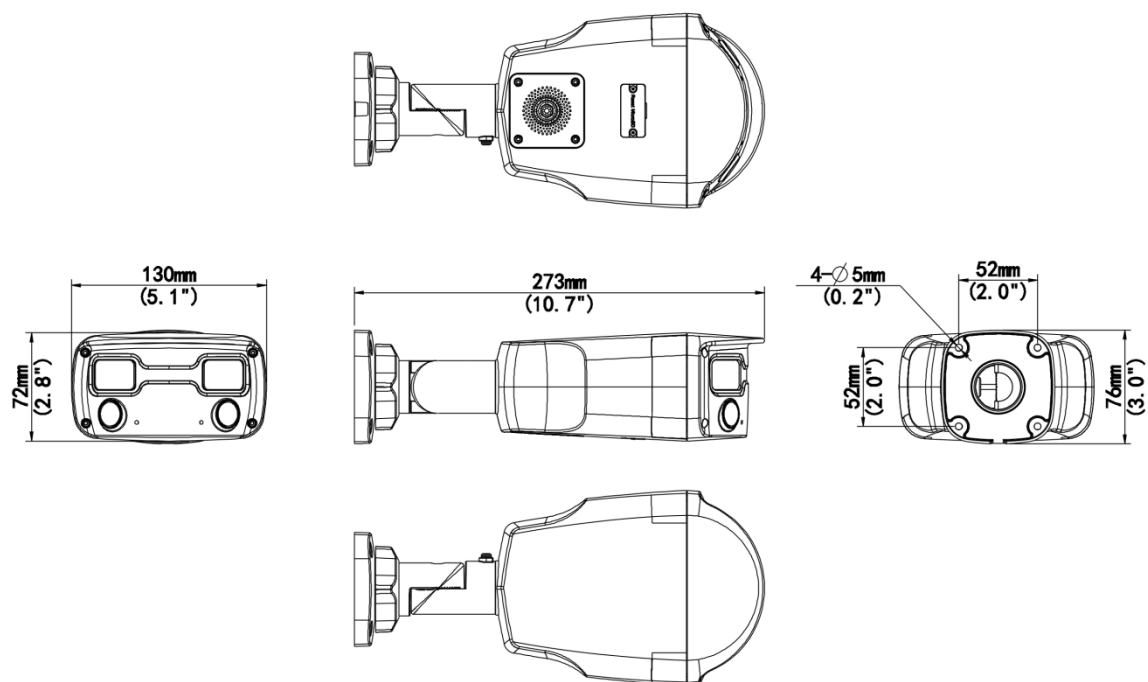
HLC	Support
BLC	Support
Defog	Digital defog
Image Stabilization	N/A
Intelligent	
Smart Intrusion Prevention	Cross line detection, intrusion detection, enter area detection, leave area detection (support false alarm filtering and the classification of human, non-motor vehicle and vehicle)
Statistical Analysis	N/A
People Counting	Support people flow counting and crowd density monitoring
Attribute Collection	SIP with color retrieval
Events	
Basic Detection	Motion detection, Ultra motion detection, Tampering alarm, Audio detection
General Function	Watermark, IP address filtering, Access policy, ARP protection, RTSP authentication, User authentication, HTTP authentication, Alarm input, Alarm output
Audio	
Audio Compression	G.711U, G.711A
Audio Bitrate	64 Kbps
Two-way Audio	Support
Suppression	Support
Sampling Rate	8 kHz
Storage	
Edge Storage	Micro SD, up to 512 GB
Network Storage	ANR, NAS (NFS)
Network	
Protocols	IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, SSL/TLS, SSH
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API, SDK
User/Host	Up to 32 users. 3 user levels: administrator, common user and operator
Security	Password Protection, Strong Password, HTTPS Encryption, Export Operation Logs, Basic and Digest Authentication for RTSP, Digest Authentication for HTTP, TLS 1.2, WSSE and Digest Authentication for ONVIF
Client	TDSS Guardian
Web Browser	Plug-in required live view: IE 10+, Chrome 45+, Firefox 52+, Edge 79+, Plug-in free live view: Chrome 57+, Firefox 58+, Edge 16+
Interface	
Audio I/O	1 Input: impedance 35 k Ω , amplitude 2 V [p-p], 1 Output: impedance 600 Ω , amplitude 2 V [p-p]
Alarm I/O	1/1
Serial Port	N/A
Built-in Mic	Built-in two mics
Built-in Speaker	Support
WIFI	N/A
Network	1 \times RJ45 10 M/100 M Base-TX Ethernet

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Video Output	N/A
Certification	
EMC	CE-EMC (EN 55032: 2015+A1:2020,EN 61000-3-3: 2013+A1: 2019,EN IEC 61000-3-2: 2019+A1: 2021,EN 55035: 2017+A11:2020) FCC (FCC CFR 47 part15 B, ANSI C63.4-2014)
Safety	CE LVD (EN 62368-1:2014+A11:2017) CB (IEC 62368-1:2014) UL (UL 62368-1, 2nd Ed., Issue Date: 2014-12-01)
Environment	CE-RoHS (2011/65/EU;(EU)2015/863); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IP67 (IEC 60529: 1989+AMD1: 1999+AMD2: 2013)
General	
Power	DC 12V±25%, PoE (IEEE 802.3af)
Power Consumption	Max 13W
Power Interface	Ø5.5 mm coaxial power plug
Dimensions	273 × 130 × 76mm (10.7" × 5.1" × 3.0") (L x W x H)
Weight	0.96kg (2.12lb)
Material	Metal
Working Environment	-30 to 60 (-22 to 140), Humidity: ≤ 95% RH (non-condensing)
Storage Environment	-30 to 60 (-22 to 140), Humidity: ≤ 95% RH (non-condensing)
Surge Protection	4 KV
Reset Button	Support
Web Client Language	20 Languages: Traditional Chinese, English, Simplified Chinese, Polish, German, Russian, French, Korean, Dutch, Czech, Portuguese (Europe), Portuguese (Brazil), Japanese, Thai, Turkish, Spanish (Latin America), Spanish (Europe), Hungarian, Italian, Vietnamese

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Dimensions



Accessories

TR-A01-IN

NPT 3/4" Waterproof Cable Gland

