

TDOBIA4302

4MP WDR IR BULLET NETWORK CAMERA



FEATURES:

- 4MP, 1/3" CMOS image sensor, low illuminance, high image definition
- Outputs 4MP (2560 × 1440)@25/30fps, Max. supports 4MP (2688 × 1520)@20 fps
- H.265 codec, high compression ration, **ultra-low** bit rate
- Built-in IR LED, max IR distance: 98ft
- ROI, SMART H.264/H.265, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Intelligent detection: Intrusion, tripwire
- Abnormality detection: Motion detection, video tampering, no SD card, SD card full, SD card error, network disconnected, IP conflict, illegal access, voltage detection
- Supports max. 256 GB Micro SD card
- 12V DC/PoE power support
- IP67 protection grade

Specifications:

Model	TDOBIA4302			
Camera				
Image Sensor	1/3" 4Megapixel progressive CMOS			
Effective Pixels	2688(H) × 1520(V)			
ROM	128 MB			
RAM	128 MB			
Scanning System	Progressive			
Electronic Shutter Speed	Auto/Manual 1/3 s-1/100000 s			
Min. Illumination	0.008 Lux@F1.6			
IR Distance	98ft			
IR On/Off Control	Auto / Manual			
IR LEDs Number	1			
Pan/Tilt/Rotation Range	Pan: 0°-360°; Tilt: 0°-90°; Rotation: 0°-360°			
Lens				
Lens Type	Fixed focal			
Mount Type	M12			
Focal Length	2.8mm			
Max. Aperture	F1.6			
Field of View	Pan: 102°; Tilt: 55°; Diagonal: 121°			
Iris Type	Fixed aperture			
Close Focus Distance	0.9m (2.95ft)			
DORI Distance	Detect	Observe	Recognize	Identify
	56.0m (183.73ft)	22.4m (73.49ft)	11.2m (36.75ft)	5.6m (18.37ft)
Smart Event				
General IVS Analytics	Tripwire, intrusion			
Video				

Video Compression	H.265; H.264; H.264B; MJPEG
Smart Codec	Yes
Video Frame Rate	Main stream: 2688 × 1520 (1 fps-20 fps) 2560 × 1440 (1 fps-25/30 fps) Sub stream: 704 × 576 (1 fps-25 fps) 704 × 480 (1 fps-30 fps)
Stream Capability	2 streams
Resolution	2688 × 1520 (2688 × 1520); 2560 × 1440 (2560 × 1440); 2304 × 1296 (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 32 Kbps-6144 Kbps H.265: 12 Kbps-6144 Kbps
Day/Night	Auto (ICR) / Color / B/W
BLC	Yes
HLC	Yes
WDR	120 dB
White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
Gain Control	Auto/Manual
Noise Reduction	3D DNR
Motion Detection	OFF/ON (4 areas, rectangular)
Region of Interest (RoI)	Yes (4 areas)
Smart IR	Yes
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1080p resolution and lower.)
Mirror	Yes
Privacy Masking	4 areas
Network	
Network	RJ-45 (10/100 Base-T)
Protocol	IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP ; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; 802.1x; Bonjour
Interoperability	ONVIF(Profile S/Profile G/Profile T); CGI; P2P; Milestone; Genetec
User/Host	20

Edge Storage	ToughDog Cloud; FTP; SFTP; Micro SD Card (support max. 256 GB); NAS
Browser	IE Chrome Firefox
Management Software	TD-SMS, DSS, ToughDog Viewer
Mobile Phone	IOS; Android
Certifications	
Certifications	CE-LVD: EN60950-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07
Power	
Power Supply	12V DC/PoE (802.3af)
Power Consumption	<5W
Environment	
Operating Conditions	-40°C to +60°C (-40°F to +140°F) / Less than ≤95%
Storage Temperature	-40°C to +60°C (-40°F to +140°F)
Protection Grade	IP67
Structure	
Casing	Metal
Dimensions	166.2mm × Φ70mm (6.54" × Φ2.76")
Net Weight	0.48 kg (1.1lb)
Gross Weight	0.57 kg (1.3lb)

Accessories:

Optional:



PFA134
Junction Box



PFA152-E
Pole Mount



PFM321D
DC12V1A
Power Adapter



LR1002-1ET/1EC
Single-port Long
Reach Ethernet over
Coax Extender



PFM900-E
Integrated Mount
Tester



PFM114
TLC SD Card

Pole Mount	Junction Mount
PFA134+PFA152-E	PFA134

Dimensions:

