DATA SHEET

TRINAI
Vision With Intelligence

2MP WDR Lighthunter IR Network Bullet Camera

Model no: AI02B050L67-05MV

Certificate

FC CE ROHS

key features

| Lighthunter | WDR | Smart Intrusion Prevention | Deep People Counting | Edge Storage | Ultra H.265 | Smart IR |

- ▶ High quality image with 2MP,1/2.8'' CMOS sensor

- ▶ 1920*1080@60fps in the main stream, deliver detailed live while 60fps making it smooth and closer to the real image

- ▶ Ultra 265, H.265, H.264, MJPEG

- ▶ 5X optical zoom allows for closer viewing of subjects

- ▶ Smart intrusion prevention, support false alarm filtering, include Cross Line, Intrusion, Enter Area, Leave Area detection

- ▶ People Counting, support people flow counting and crowd density monitoring, suitable for different statistical scenarios

- ▶ Lighthunter product technology ensures ultra-high image quality in low illumination environment

- ▶ Up to 120 dB Optical WDR (Wide Dynamic Range)

- ▶ DC12V or PoE (IEEE 802.3af) power supply

- ▶ Wide voltage range of ±25% in DC

- ▶ Audio 1 in and 1 out, Alarm 1 in and 1 out

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Specifications

	AI02B050L67-05MV			
Camera				
Sensor	1/2.8", 2.0 megapixel, progressive scan, CMOS			
Min. Illumination	Colour:0.001 lux (F1.2, AGC ON) 0 lux with IR			
Day/Night	IR-cut filter with auto switch (ICR)			
Shutter	Auto/Manual, 1 ~ 1/100000s			
WDR	120dB			
S/N	>52dB			
Lens				
Lens type	2.7~13.5mm@F1.2, AF automatic focusing and motorized zoom lens			
Iris	Fixed			
Field of View (H)	98.2°~30.6°			
Field of View (V)	53.3°~17.3°			
Field of View (D)	127.7°~37.6°			
DORI				

DORI Distance	Lens (mm)	Detect (m)	Observe (m)	Recognize (m)	Identify (m)
	2.7	70.9(232.5ft)	28.4(93.0ft)	14.2(46.5ft)	7.1(23.3ft)
	13.5	247.5(812.0ft)	99.0(324.8ft)	49.5(162.4ft)	24.8(81.2ft)

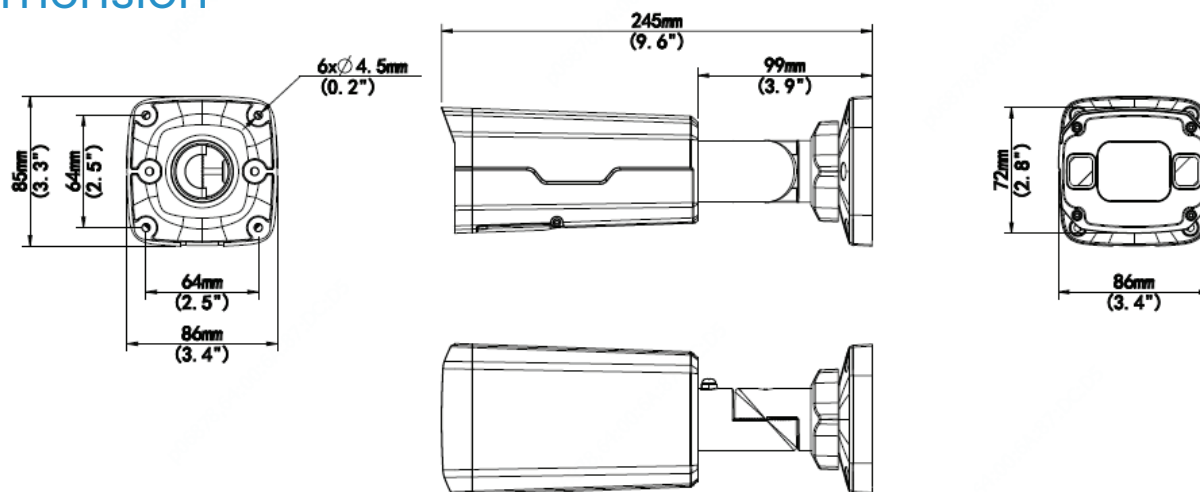| **Illuminator**	
IR Range	Up to 50m (164 ft) IR range
Wavelength	850nm
IR On/Off Control	Auto/Manual
Video	
Video Compression	Ultra 265, H.265, H.264, MJPEG
Frame Rate	Main Stream: 1080P (1920*1080),Max 60fps; Sub Stream: 1080P (1920*1080), Max 60fps; Third Stream: D1 (720*576), Max 60fps
Video Bit Rate	128 Kbps~16 Mbps
ROI	Up to 8 areas
Video stream	Triple streams
OSD	Up to 8 OSDs
Privacy Mask	Up to 4 areas per scene
Image	
White Balance	Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2
Digital noise reduction	2D/3D DNR
Smart IR	Support
Flip	Normal/Flip Vertical/Flip Horizontal/180°/90°Clockwise/90°Anti-clockwise
HLC	Support
BLC	Support
Defog	Digital Defog
Intelligent	
Smart intrusion prevention	Support false alarm filtering: Cross Line detection, Intrusion detection, Enter Area detection, Leave Area detection

Statistical Analysis	People counting, support people flow counting and crowd density monitoring
Events	
Basic Detection	Motion detection, Audio detection, Tampering alarm
General Function	Watermark, IP Address Filtering, Alarm input, Alarm output, Access Policy, ARP Protection, RTSP Authentication, User Authentication
Audio	
Audio Compression	G.711U, G.711A
Audio Bitrate	64 Kbps
Two-way Audio	Support
Suppression	Support
Sampling Rate	8KHZ
Storage	
Edge Storage	Micro SD, up to 256 GB
Network Storage	ANR,NAS(NFS)
Network	
Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, RTMP, SSL/TLS
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API, SDK
User/Host	Up to 32 users. 3 user levels: administrator, operator and common user
Security	Password protection, strong password, HTTPS encryption, basic and digest authentication for RTSP, digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF
Web Browser	Plug-in required live view: IE 10 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above
Interface	
Audio I/O	1/1
Alarm I/O	1/1
Video output	1 BNC(For debugging)
Network	1 * RJ45 10M/100M Base-TX Ethernet
Certification	
EMC	FCC
Safety	CE ROHS BIS
General	
Power	DC12V(±25%), PoE(IEEE 802.3af)
	Power consumption: Max 8W
Power Interface	Ø 5.5mm coaxial power plug
Dimensions (L x W x H)	245.0x86.0x85.0mm (9.6''x3.4''x3.4'')
Weight	0.92kg(2.03lb)
Working Environment	-30°C ~ 60°C (-22°F ~ 140°F), Humidity: ≤95% RH (non-condensing)
Storage Environment	-40°C ~ 70°C (-40°F ~ 158°F), Humidity: ≤95% RH (non-condensing)

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Surge protection	6KV
Reset button	N/A

Dimension

Accessories

AI -JB07-D-IN
Junction Box

AI -UP06-B-IN
Pole Mount

AI -UP06-C-IN
Pole Mount

AI -A01-IN(Optional)
Waterproof Joint

Junction Mount	Pole Mount
AI -JB07-D-IN + TR-UP06-C-IN	AI -UP06-B-IN

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