DATA SHEET

TRINAI
Vision With Intelligence

2MP HD Intelligent LightHunter IR VF Dome Network Camera

Model no: AI02D040L67-05MV

Certificate

FC CE ROHS

key features

| 2MP | Smart Intrusion Prevention | Lighthunter | WDR | Built-in Mic | IK 10 | IP 67 |

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

▶ 2MP (1920*1080)@30/25fps; 720P (1280*720)@30/25fps

▶ Ultra 265, H.265, H.264, MJPEG

▶ Smart intrusion prevention, include cross line, intrusion, enter area, leave area detection

▶ 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

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

▶ 120dB true WDR technology enables clear image in strong light scene

▶ Support 9:16 Corridor Mode

▶ Built-in Mic

▶ Alarm:1 in/1 out, Audio: 1 in/1 out

▶ Smart IR, up to 40m (131ft) IR distance

▶ Supports 256 G Micro SD card

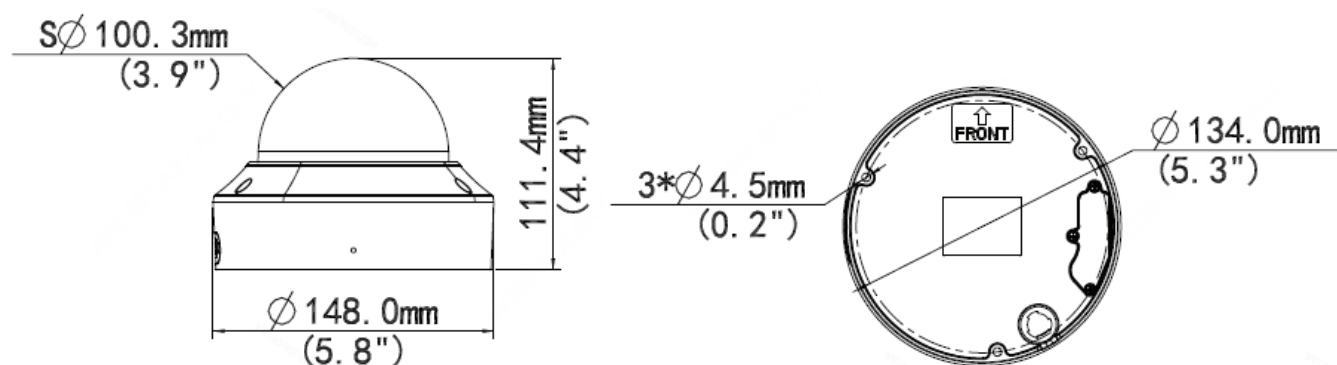▶ IK10 vandal resistant and IP67 protection

Specifications

	AI02D040L67-05MV		
Camera			
Sensor	1/2.8", 2.0 megapixel, progressive scan, CMOS		
Minimum Illumination	Colour: 0.001 lux (F1.2, AGC ON) 0 lux with IR on		
Day/Night	IR-cut filter with auto switch (ICR)		
Shutter	Auto/Manual, 1 ~ 1/100000s		
Adjustment angle	Pan: 0° ~ 355°	Tilt: 0° ~ 80°	Rotate:0° ~ 355°
WDR	120dB		
S/N	>52dB		
Lens			
Lens	2.7 ~ 13.5mm, AF automatic focusing and motorized zoom lens		
Iris	Fixed		
Field of View (H)	107.4° ~ 29.2°		
Field of View (V)	54.2° ~ 16.3°		
Field of View (D)	111.0° ~33.1°		

DORI

	Lens (mm)	Detect (m)	Observe (m)	Recognize (m)	Identify (m)
DORI Distance	2.7	41.9	16.8	8.4	4.2
	13.5	209.5	83.8	41.9	20.9

Illuminator	
IR Range	Up to 40m (131ft) IR range
Wavelength	850nm
IR 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: 2MP (1920*1080), Max 30fps; 720P (1280*720), Max 30fps; Sub Stream: 720P (1280*720), Max 30fps; D1 (720*576), Max 30fps; 640*360,Max 30fps; Third Stream: D1 (720*576), Max 30fps; 640*360,Max 30fps; 2CIF(704*288), Max 30fps; CIF(352*288), Max 30fps;
Video Bit Rate	128 Kbps~16 Mbps
U-code	Support
OSD	Up to 8 OSDs
Privacy Mask	Up to 4 areas
ROI	Up to 8 areas
Video Stream	Triple streams
Image	
White Balance	Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2
Digital Noise Reduction	2D/3D DNR
Smart IR	Support
Flip	Normal/Vertical/Horizontal/180°/90°Clockwise/90°Anti-clockwise
Dewarping	N/A

HLC	Support
BLC	Support
Defog	Digital Defog
Intelligent	
Smart intrusion prevention	Support false alarm filtering: Line crossing detection, Intrusion detection, Region entrance detection, Region exit detection
Statistical Analysis	People counting, support tripwire people counting and area people counting
Events	
Basic Detection	Motion detection , Ultra motion detection, Tampering alarm, Audio detection
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 256GB
Network Storage	ANR, NAS(NFS)
Network	
Protocols	IPv4, IPv6, 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, SSH
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API,SDK
User/Host	Up to 32 users. 2 user levels: administrator and common user
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
Web Browser	Plug-in required live view: IE 10 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above
	Plug-in free live view: Chrome 57.0 and above, Firefox 58.0 and above, Edge 16 and above
Interface	
Audio I/O	1 Input: impedance 35kΩ; amplitude 2V [p-p]
	1 Output: impedance 600Ω; amplitude 2V [p-p]
Alarm I/O	1/1
RS485	N/A
Built-in Mic	Support
Built-in Speaker	N/A
WIFI	N/A
Network	1 * RJ45 10M/100M Base-TX Ethernet
Video Output	N/A
Certifications	
EMC	FCC
Safety	CE ROHS BIS

DATA SHEET

General	
Power	DC 12V±25%, PoE (IEEE 802.3af)
	Power consumption: Max 7.0W
Power Interface	Ø 5.5mm coaxial power plug
Dimensions (Ø x H)	Φ 148.0 x 111.4mm (Φ5.8'' x4.4'')
Weight	0.97kg (2.14lb)
Material	Metal
Working Environment	-30°C ~ 60°C (-22°F ~ 140°F), Humidity: ≤95% RH (non-condensing)
Strorage Environment	-30°C ~ 60°C (-22°F ~ 140°F), Humidity: ≤95% RH (non-condensing)
Surge Protection	6KV
Reset Button	Support

Dimensions

Accessories

AI -JB04-C-IN	AI -JB07/WM04-B-IN	AI -WM04-IN	AI -FM152-A-IN
Junction Box	Wall Mount	Wall Mount	In-ceiling Mount

AI -UP06-IN

Pole Mount

AI -A01-IN

Waterproof Joint

AI -SM04-IN

Electric-box Transfer Plate

AI -SE24-IN
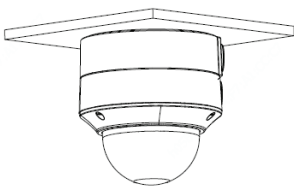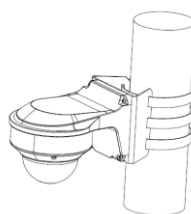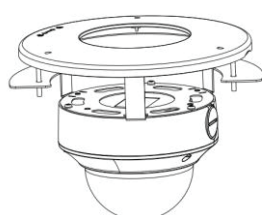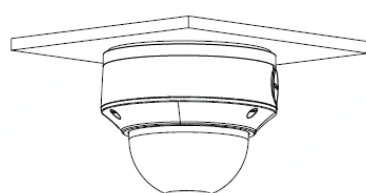
Pendant Mount

AI -SE24-A-IN

Pendant Mount

AI -CM24-IN

Pendant Mount

Junction box	Pole mount
AI -JB04-C-IN+TR-A01-IN	AI -JB07/WM04-B-IN (TR-WM04-IN)+ TR-UP06-IN
In-ceiling mount	**Electric-box Transfer plate**
AI -FM152-A-IN	AI -SM04-IN
Indoor pendent mount	
AI -JB04-D-IN+TR-A01-IN+ TR-SE24-IN(TR-SE24-A-IN)+ TR-CM24-	

IN	