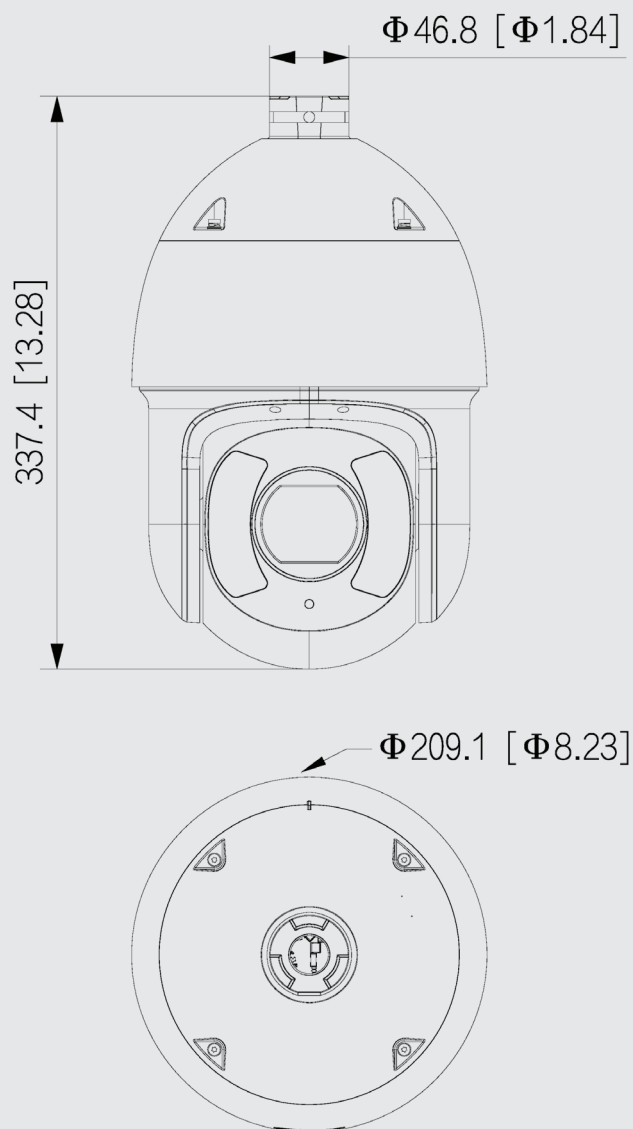




FEATURES

- 1/2.8" 4Megapixel STARVIS™ CMOS
- 45x optical zoom
- Starlight technology
- Max. 25/30fps@4M
- IR distance up to 250 m
- Auto-tracking 3.0
- Perimeter protection
- Face detection
- Smart Motion 4.0
- Quick Pick
- IP67, IK10

MT-IPA588IR45-4

TECHNICAL SPECIFICATIONS

Camera	Image Sensor	1/2.8" CMOS
	Pixel	4 MP
	Max. Resolution	2560 (H) × 1440 (V)
	ROM	4 GB
	RAM	1 GB
	Scanning System	Progressive
	Electronic Shutter Speed	1/1 s–1/30,000 s
	Scanning System	Progressive
	Min. Illumination	Color: 0.005 Lux@F1.6; B/W: 0.0005 Lux@F1.6; 0 Lux@F1.6 (IR on)
	Illumination Distance	250 m (820.21 ft)
Lens	Illuminator On/Off Control	Zoom Prio; Manual; Smart IR; Off
	Illuminator Number	6 (IR)
	Focal Length	3.95 mm–177.75 mm
	Max Aperture	F1.6–F4.95
	Field of View	H: 65.7°–1.9° V: 39.4°–1.1° D: 73.1°–2.1°
	Optical Zoom	45x
	Focus control	Auto; semi-auto; manual
	Close Focus Distance	0.1 m–1 m (0.33 ft–3.28 ft)
	Iris control	Auto; manual
	DORI distance	Detect 2451.7 m (8043.64 ft) Observe 972.9 m (3191.93 ft) Recognize 490.3 m (1608.60 ft) Identify 245.2 m (804.46 ft)
Intelligence	IVS (Perimeter Protection)	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification; linkage tracking
	Face Detection	Supports face detection, optimization, tracking, capturing pictures, uploading high-quality face snapshots, and face enhancement; Supports attributes extraction. 6 attributes and 8 expressions: Gender, age, glasses, expressions (angry, sad, hate, scary, surprise, calm, happy and confused), mask, mustache; Supports face cut-out: Face, one-inch photo. Capturing strategies include real-time capturing, optimization, and quality first.
	Auto Tracking	Yes
	Smart Motion	Yes
	Quick Pick	Yes
PTZ	Pan/Tilt Range	Pan: 0° to 360° endless Tilt: –20° to +90°, auto flip 180°
	Manual Control Speed	Pan: 0.1°/s–300°/s; Tilt: 0.1°/s–200°/s
	Preset Speed	Pan: 400°/s; Tilt: 300°/s
	Preset	300
	Tour	8 (up to 32 presets per tour)
	Pattern	5
	Scan	5
	Power-off Memory	Yes
	Idle Motion	Pattern; Preset; Scan; Tour
	PTZ control	MT-SD Pelco-P/D (auto recognition)

Video	Video Compression	H.264H; H.264B; Smart H.265+; H.264; H.265; MJPEG(Sub Stream); Smart H.264+
	Smart Capability	3 streams
	Video Frame Rate	Main stream: 4M/3M/1080p/1.3M/720p (1–25/30 fps) Sub stream 1: D1/VGA/CIF (1–25/30 fps) Sub stream 2: 1080p/1.3M/720p (1–25/30 fps)
	Bit Rate Control	CBR/VBR
	Resolution	4M (2560 × 1440); 3M (2048 × 1536); 3M (2304 × 1296); 1080p (1920 × 1080); 720p (1280 × 720); D1 (704 × 576); VGA (640 × 480); CIF (352 × 288)
	Video Bit Rate	H264: 96 kbps–14848 kbps H265: 38 kbps–8960 kbps
	Day/Night	Auto (ICR)/Color/B/W
	BLC	Yes
	HLC	Yes
	WDR	120 dB
	White Balance	Auto/Indoor/Outdoor/Tracking/Manual/Sodium lamp/Natural light/Street lamp
	Gain Control	Auto; manual
	Noise Reduction	2D/3D
	Motion Detection	Yes
	Region of Interest (Rol)	Yes
	Image Stabilization	Electronic(EIS)
	Defog	Electronic
	Digital Zoom	16x
Audio	Image Rotation	180°
	Privacy Masking	Up to 24 areas can be set, with up to 8 areas in the same view
Network	S/N Ratio	≥55 dB
	Audio Compression	PCM; G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; G729; G723
	Network Port	RJ-45 (10/100 Base-T)
	Network Protocol	FTP; RTMP; IPv6; Bonjour; IPv4; DNS; RTCP; PPPoE; NTP; RTP; 802.1x; HTTPS; SNMP; TCP/IP; DDNS; UPnP; NFS; ICMP; UDP; IGMP; HTTP; SSL; DHCP; SMTP; Qos; RTSP; ARP
	Interoperability	CGI; SDK; ONVIF (Profile S&G&T); P2P
	Streaming Method	Unicast/Multicast
	User/Host	20 (total bandwidth: 64 M)
	Storage	Micro SD card (Up to 512 GB); FTP;NAS
	Browser	IE 9 and later versions Chrome 41 and later versions Firefox 50 and later versions iOS 10 and later versions
	Management Software	DSS; MT Mobile
	Mobile Phone	iOS; Android
Certifications	CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB, ANSI C63.4- 2014	

Datasheet rev.A23.11

MT-IPA588IR45-4

TECHNICAL SPECIFICATIONS

Port	Analog Output	1 channel (CVBS output, BNC)
	RS-485	1(Bit range: 1200 bps–9600 bps)
	Audio Input	1 channel
	Audio Output	1 channel
	Alarm Linkage	Capture; recording; send email; pre-set; tour; pattern; alarm digital output
	Alarm Event	Motion/Tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection
	Alarm I/O	7/2
	Audio I/O	1/1
Power	Power Supply	24 VDC, 2.5 A $\pm$ 25% PoE+ (802.3at)
	Power Consumption	Basic: 13 W Max: 25 W

Environment	Operating Temperature	–40 °C to +70 °C (–40 °F to +158 °F)
	Operating Humidity	≤ 95% (RH)
	Protection	IP67; IK10; TVS 8000V lightning proof; surge protection; voltage transient protection
Structure	Dimensions	337.4 mm × Φ 209 mm (13.28" × Φ 8.23")
	Net Weight	5.9 kg (13.00 lb)
	Gross Weight	9.6 kg (21.16 lb)