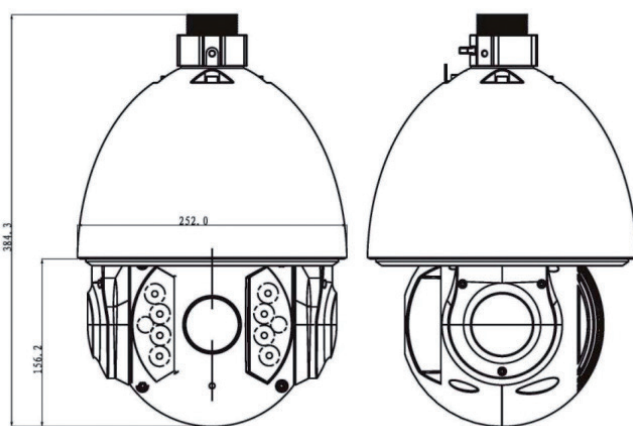




FEATURES

- Powerful 20x/30x optical zoom
- Support Triple-streams encoding
- Max 60fps@720P and 30fps@1080P resolution
- Defog, DWDR, Day/Night(ICR), Ultra DNR, EIS, Auto iris, Auto focus
- Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- Max 240°/s pan speed, 360° endless pan rotation
- Up to 255 presets, 5 auto scan, 8 tour, 5 pattern
- Built-in 7/2 alarm in/out
- Support Auto tracking and IVS
- Support intelligent 3D positioning with DH-SD protocol
- Micro SD memory, IP66
- IR Distance up to 150m



TECHNICAL SPECIFICATIONS

Model		MT-IPA688IR
Camera	Image Sensor	1/2.8" Exmor CMOS
	Effective Pixels	1944(H) x 1092(V), 2 Megapixels
	Scanning System	Progressive
	Electronic Shutter Speed	1/1 ~ 1/30,000s
	Min. Illumination	Color: 0.05Lux@F1.6; B/W: 0.005Lux@F1.6
	S/N Ratio	More than 50dB
	Video Output	BNC(1.0Vp-p/75Ω), PAL/NTSC
Camera Features	Day/Night	Auto(ICR)/Color/B/W
	Backlight Compensation	BLC / HLC / DWDR (Digital WDR)
	White Balance	Auto, ATW, Indoor, Outdoor, Manual
	Gain Control	Auto/Manual
	Noise Reduction	Ultra DNR (2D/3D)
	Privacy Masking	Up to 24 areas
	Digital zoom	16x
Lens	Defog	On/Off
	Focal Length	4.3mm~129mm (30x Optical zoom)
	Max Aperture	F1.6 ~ F4.7
	Focus Control	Auto/Manual
	Angle of View	H: 65.1° ~ 2.34°
PTZ	Close Focus Distance	100mm~ 1000mm
	Pan/Tilt Range	Pan: 0° ~ 360° endless; Tilt: -10° ~ 90°, auto flip 180°
	Manual control speed	Pan: 0.1° ~200° /s; Tilt: 0.1° ~120° /s
	Preset Speed	Pan: 240° /s; Tilt: 200° /s
	Preset	80(DH-SD), 255(Pelco-P/D)
	PTZ Mode	5 Pattern, 8 Tour, Auto Pan, Auto Scan
	Speed Setup	Human-oriented focal length/ speed adaptation
	Power up Action	Auto restore to previous PTZ and lens status after power failure
	Idle Motion	Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period
	Time task	Auto activation of Preset/ Pan/ Scan/ Tour/ Pattern by preset-time
	Protocol	DH-SD (Auto recognition)
	IR Distance	150m (2 near IR LED+ 8 far IR LED)
Video	Compression	H.264 / MJPEG
	Resolution	1080P(1920×1080) / 720P(1280×720) / D1(704×576/704×480) / CIF (352×288/352×240)
	Frame Rate	Main Stream 1080P (1 ~ 25/30fps) / 720P(1~50/60fps)
		Sub Stream 1 D1/CIF(1 ~ 25/30fps)
		Sub Stream 2 720P/D1/CIF(1 ~ 25/30fps)
Audio	Bit Rate	H.264: 56K ~ 8192Kbps, MJPEG: 56K ~ 20480Kbps
	Compression	G.711a / G.711u(32kbps)/ PCM(128kbps)
Intelligent Function	Interface	1/1 channel In/Out
	Auto Tracking	Single-scene, multiple-scene, panorama-scene
	IVS	Tripwire, Cross Warning Zone, Perimeter Protection, Loitering Detection, Abandoned Object Detection, Missing Object Detection, Illegal Parking, Fast Moving and etc.
	Tracking Trigger Mode	Manual / Auto (alarm triggered)
Network	Tracking Trigger Event	Targeting, Zoom, Tracking, Recording, Snapshot, Alarm and etc.
	Ethernet	RJ-45 (10/100Base-T)
	Protocol	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour
	ONVIF	ONVIF Profile S
	Max. User Access	20 users
Auxiliary Interface	Smart Phone	iPhone, iPad, Android, Windows Phone
	Memory Slot	Micro SD, Max 64GB
General	Alarm	7/2 channel In/Out
	Power Supply	AC 24V/3A (±16%)
	Power Consumption	20W, 43W (IR on, Heater on)
	Working Environment	-40°C ~ 70°C / Less than 90% RH
	Ingress Protection	IP66
	Dimensions	Φ252(mm) x 384.3 (mm)
	Weight	6.75kg