



motorola

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MTIPM202781

6-inch 2MP 32x STARLIGHT IP PTZ Camera

General characteristics:

1/2.8" Progressive scan CMOS STARVIS sensor

2MP High Definition Resolution at 30fps

Smart H.265 High Efficiency Video Coding

200m Infrared night view distance with Smart IR Technology

True WDR, 120dB

Optical 32x zoom

Intelligent Analytics, recognizes max 15 objects per second, trace and zoom fit in pictures, recognize human faces up to 390m distance approx, auto tracks humans/vehicles, face recognition, line crossing, people counting, intrusion, smart detection and perimeter protection

Supports 3D DNR, HLC, BLC, Defog and Smart IR

Built-in Micro SD/SDHC/SDXC card slot (up to 256GB)

IP67 Ingress Protection

ONVIF Profile S & Profile G

TVS6000V Lightning Protection, Surge Protection and Voltage Transient Protection

SMART THERMAL MANAGEMENT: Uses a built-in temperature sensor which drives a high-efficient turbofan and a high power heater to adjust the temperature to suitable operating condition.

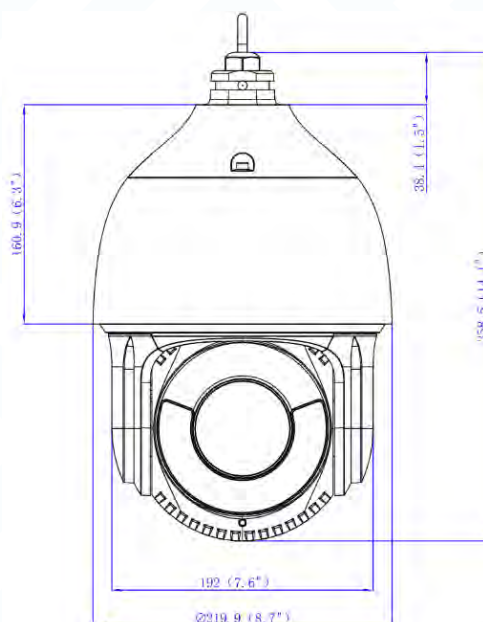
IMPROVED SMART IR: The new infrared illumination lens adopts new freedom surface design pattern, and improves the uniformity of illumination above 0.5 TIR function.



Model: MTIPM202781

Camera	
Camera Type	6" PTZ
Image Sensor	1/2.8" Progressive scan CMOS STARVIS
Minimum Illumination	Color: 0.005 lux @ F1.6, AGC ON B/W 0.003 lux @ F1.6, AGC ON 0 lux with IR
White Balance	Auto / Manual / ATW (Auto-tracking WB) / Indoor / Outdoor / Fluorescent Lamp / Sodium Lamp
S/N Ratio	More than 50dB
Gain	Auto / Manual
Electronic Shutter Speed	NTSC 60Hz: 1/1s ~ 1/10,000s PAL: 50Hz: 1/1s ~ 1/10,000s
Privacy Masking	Max. 4 Areas
Focus Mode	Auto / Manual
Lens	
Focal Length	4.5mm ~ 144mm, 32x Optical Zoom, 16x Digital Zoom
Zoom Speed	Approx. 4.5s (optical lens, Wide-TELE)
Field of View	Horizontal field of view: 60° to 2.3° (Wide-TELE) Vertical field of view: 34° to 1.4° (Wide-TELE) Diagonal field of view: 68° to 2.7° (Wide-TELE)
Working Distance	Wide: 1.0m~INF Tele: 1.5m~INF
Aperture Range	F1.65 (Wide) to F4.4 (TELE)
IR	
IR Distance	200m
Smart IR	Support + Facial Exposure
PTZ	
Pan Range	360° endless
Pan Speed	Configurable, from 0.1°/s to 240°/s; Preset speed: 240°/s
Tilt Range	From -3° to 90° (auto-flip)
Tilt Speed	Configurable, from 0.1°/s to 180°/s; Preset speed: 180°/s
Preset	360
Cruise	8 cruises, up to 16 presets for each cruise
Track	4 tracks, record time over 3 minutes for each track
Action Mode	Preset / Cruise / Track / Auto Scan / Random Scan
3D Positioning	Yes
PTZ Position Display	Yes
Scheduled Task	Preset / Cruise / Track / Random Scan / Boundary Scanning / Dome Reboot
Video	
Resolution	1080P (1920 x 1080), 720P (1280 x 720)
Video Compression	Smart H.265 / H.265 / H.264 / MJPEG
Image System	NTSC / PAL
Frame Rate	Main Stream: NTSC 60Hz: 1080P / 720 30fps PAL 50Hz: 1080P / 720 25fps
	Sub Stream: NTSC 60Hz: (704 x 480, 640 x 480, 352 x 240) 30fps PAL 50Hz: (704 x 480, 640 x 480, 352 x 240) 25fps
	Third Stream: NTSC 60Hz: 1080P / 720 30fps PAL 50Hz: 1080P / 720 25fps
Stream Capability	3 Streams
BLC	Yes
HLC	Yes
WDR	120dB
Defog	Yes
AGC	Yes
Noise Reduction	3D DNR
Day/Night	IR Cut Filter
Software & Network	
Remote Monitoring	Web browsing, MVMS, hellosecurity APP
Management Software	MVMS Lite, Standard, Professional
Mobile APP	iOS, Android
Online Connection	Support simultaneous monitoring for up to 6 channels, 16 users; Support multi-stream real time transmission
Protocol	HTTP, HTTPS, IPv4/IPv6, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE
Interoperability	ONVIF (Profile S / Profile G) P2P Optional
Bandwidth Self-adaptation	Yes
Browser	Internet Explorer 8-11

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Interfaces	
Video Output (CVBS)	Yes, 1 x BNC
Audio In/Out	1/1
Alarm In/Out	2/2
Built in Mic	No
RS485	Yes
Hardware Reset	No
Micro SD Card Slot	Yes (up to 256GB)
Ingress Protection	IP67
Vandal Resistance	No
Network	RJ45 10/100 Mbps
Functions	
Additional Protection	TVS6000V Lightning Protection, Surge Protection and Voltage Transient Protection, SMART THERMAL MANAGEMENT
Smart Alarm	Motion detection; Sensor alarm; SD card error; SD card full; IP conflict; Network disconnection
Smart Record	ANR (Automatic Network Replenishment)
Intelligent Analytics	Face detection, Intrusion, Line crossing, Region entrance, Region exiting, Unattended object, Object removal, Scene change, Alarm triggering by human or vehicle, filtering flag/animal.
Smart Tracking	Manual Tracking, Auto Tracking (human or vehicle by software setting)
General function	Watermark, IP address filtering, video mask, heartbeat, password protection
Face Detection	Maximum of 15 faces captured per second. Feature Defaulted to OFF.
Others	
Power Supply	DC24V, AC24V or PoE++ (802.3bt, class 7) Power adapter not included.
Power Consumption	Max 50W (All ON)
Operating Environment	-50°C ~ +65°C Cold start at -40°C Humidity: less than 90% (non condensing)
Material	Metal + Polycarbonate
Dimensions (mm)	Φ 219.9mm x 358.5mm(
Weight (net)	Approx. 6.0kg

DORI	Detect (human behaviours)	Observe (Court level evidence)	Recognize (face ID, CPL)	Identify (human and face)
Define	25 Pixels/meter	63 Pixels/meter	125 Pixels/meter	250 Pixels/meter
Distance	1950m	780m	390m	190m