PMH-MSR420MX3

20MP 360° PTZ Multi-sensor Panoramic Camera with IR

Four sensors are available in the 360° PTZ Multi-sensor Panoramic Camera, offering a total high resolution of 20MP. A zoom IN/OUT lens
can cover 360 degrees and capture precise images. In particular, they have an integrated IR capability with an effective range of up to 40
meters (132 feet). It is accessible for outdoor use and is a good monitoring option for buildings, hospitals, public transportation, parks,
and tourist destinations.

H.265
The most recent form of next-generation video compression is H.265.
By reducing bandwidth, this method could produce superior
video compression at a lower storage cost. This revolutionary
technology can reduce bandwidth loading by more than 50%.
This significantly improves the performance of the entire IP
camera system.

360°/270° Coverage for various applications
In order to provide full video coverage, 360° PTZ Multi-sensor
Panoramic can capture all angles from a single IP camera, which
can assist in cutting down on the number of cameras required
as well as installation time and expense.

IR distance up to 40 meter(by IEEE802.3bt)
360° PTZ Multi-sensor Panoramic Camera are built-in IR to
provide excellent clear image at night mode. The IR distance is
up to 40 meter if powered by IEEE802.3bt.

20MP **Onvif®** **S** **T** **G**

- 360° /270° Coverage for various applications
- Motorized Lens
- IR distance is effective up to 40M
- Single IP Address Output for Ease of Integration with VMS

Camera General Information

Image Sensor	20MP, 4pcs 1/2.8" 5MP CMOS progressive sensor Sony IMX 335
Lens	4 Motorized Lens 2.7~13.5mm F1.4
FOV	H: 107° , V: 77° , D:145°
Resolution	2592x1944 to 640x480 each channel
Pan/Tilt	Remotely adjustable, Pan 360° , Tilt 90°
IR Distance	40M(131ft) if powered by IEEE802.3bt PoE
Day and Night	Support
DOL WDR	120dB, @30fps
Minimum Illumination	0.15 lux@F1.2, 1/30s
Electronic Shutter Speed	Auto / Manual 1/7~1/20000
Gain Control	Auto/Manual
Backlight Compensation	Yes
White Balance Mode	Auto/Manual
Image Setting	Brightness, Contrast, Staturation, Sharpness, Mirror, Flip
Local storage	2x SD card (record stream 2 resolutions)
Analytics	3rd Party VA is optional by OEM/ODM request
Min. Object Distance	1 Mete

Video and Audio

Video Compression	H.265 / H.264 / M-JPEG
Video Streaming	Triple Streaming
Frame Rate	Up to 30fps at 20MP *4 channel
Audio Compression	G.711 8KHz/8 bits (A-Law/U-Law)
Audio Streaming	Two way audio

Network

Interface	10/100/1000Mbps Ethernet, RJ45
Support Protocols	TCP/IP, UDP, ICMP, IPv4, IPv6, SNMP v2c/v3, QoS, HTTP, HTTPS , LDAP (client), SSL, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP, DynDNS, Zero Configure
ONVIF	Profile S/G/T
Users	Live Viewing/Administrator for up to 10 clients
Browsers	Internet Explorer, Google chrome, Mozilla Firefox

Event Management

Event Trigger	Motion detection 5x5 areas Tampering detection
Notifications	Send message via e-mail or FTP

Power

AUX	24V DC, 24V AC
PoE	IEEE 802.3bt PoE Class 5

General

Power Consumption	Max. 40 W
Connectors	Audio Line in*1, Line out*1 Digital input*1, Digital output*1; DC/AC power input RJ45
Weight	3425g
Dimension	Ø 247.5 mm x 142.3 mm (H)
Operating Temp.	-40° C ~ 55° C (-40° F ~ 131° F)(IR OFF)
Storage Temp.	-40° C ~ 60° C (-40° F ~ 140° F)
Humidity	90%RH (no condensation)
Certification	CE/FCC
Vandal Resistance	IK10
Waterproof	IP66
Application	SDK available for application development
IVS3.0 (Optional)	Intelligent Object Motion Detection Intrusion Detection Loitering Line Crossing People/Vehicle Counting Object Left/Removed Crowd Detection Wrong Direction Classification- Human/Vehicle/Pet on object

Packaging Information

NWT (per unit)	3425g
GWT (per unit)	4578g
Dimension	Unit: 352*352*295mm Package: 725*370*330mm Full carton: 2 pcs

Bracket

Bracket

BTR09W

Wall-mount

BTR10W

Wall-mount