



Product Data Sheet

Model : OPT-RY-8MPTZ-37X

8MP IP PTZ CAMERAWITH 37X OPTICAL ZOOM AND SMART AI



- 1/1.8" Progressive Scan CMOS
- High quality imaging with 8MP resolution
- 37× optical zoom and 16× digital zoom
- Built-in Microphone and Speaker
- Dual sources illumination
- Deep learning algorithm
- Support audio and light alarm with built in red and blue flashing light

■ Specification

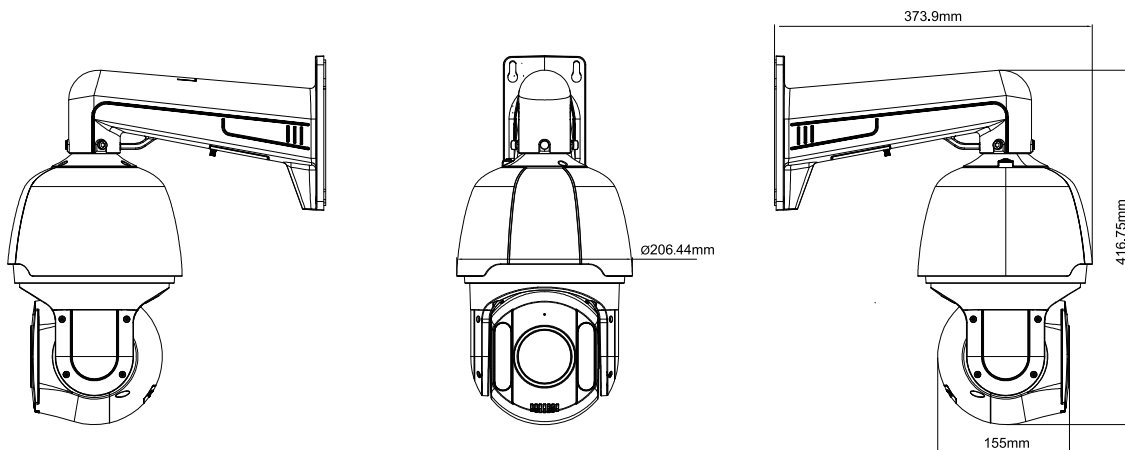
Camera	
Image Sensor	1/1.8" progressive scan CMOS
Max. Resolution	8MP 3840(H)x2160(V)
Min. Illumination	Color: 0.0005Lux @ (F1.6, AGC ON), B/W: 0 lux with light
Shutter Speed	1/5s to 1/20000s
Day & Night	Auto Switch
Zoom	37 × optical, 16 × digital
Lens	
Focal Length	5.5 mm to 202 mm
Angle of View	Horizontal: 60° to 2.31° Vertical: 35.5° to 1.3° Diagonal: 67.5° to 2.65°
Aperture	Max. F1.6
Focus	Auto, semi-auto, manual
Illuminator	
Supplement Light Range	White light: up to 25 m, IR: up to 200m
Supplement Light Type	Hybrid (IR and White Light)
PTZ	
Movement Range(Pan)	360°
Movement Range(Tilt)	-20° to 90° (auto flip)
Pan Speed	configurable from 0.6° to 200°/s; preset speed: 200°/s
Tilt Speed	configurable from 0.6° to 90°/s; preset speed 100°/s
Presets	255
Patrol Scan	4 patrols, up to 32 presets for each patrol
Pattern Scan	4 pattern scans
Power-Off Memory	Yes
3D Positioning	Yes

Video	
Main Stream	50 Hz: 25fps(3840x2160/3072x1728/2592x1944/2592x1520/2304x1296/1920x1080/1280x960/1280x720); 60 Hz: 30 fps(3840x2160/3072x1728/2592x1944/2592x1520/2304x1296/1920x1080/1280x960/1280x720);
Sub-Stream	50 Hz: 25 fps (1920x1080/1280x720/640x480/320x240); 60 Hz: 30 fps (1920x1080/1280x720/640x480/320x240);
Third Stream	50 Hz: 25 fps (640x480/320x240); 60 Hz: 30 fps (640x480/320x240)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264; Sub-stream: H.265+/H.265/H.264+/H.264/MJPEG; Third stream: H.265+/H.265/H.264+/H.264;
Video Bit Rate	8kbps to 16384 kbps
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
Region Of Interest (ROI)	8
Audio	
Audio Compression	G.711a/G.711u
Network	
Protocols	IPv4/IPv6, HTTP, HTTPS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP/IP, UDP, DHCP, PPPoE, RTMP
API	Onvif (Profile M, Profile S, Profile G, Profile T),Http API
Simultaneous	Live View Up to 14 channels
User/Host	Up to 15 users. 3 user levels: administrator, operator and user
Security	Password protection, complicated password, HTTPS encryption, IP address filter, control timeout settings
Client	VMS
Web Browser	IE10/11 Safari V12.1 above Firefox V.52 above Google chrome V.57 above Edge V.79 above
Image	

Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
Wide Dynamic Range (WDR)	120 dB
Digital Image Stabilization	Yes
Image Settings	Saturation, brightness, contrast, sharpness, Hue and white balance adjustable by client software or web browser
Privacy	4 privacy masks
Interface	
Ethernet Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB
Alarm	1 inputs, 1 output
Audio	1 input (line in), 1 output (line out); Built-in Microphone and Speaker
Reset	Yes
Rs485 Interface	Control by Joystick controller(Only used PTZ function)
Event	
Basic Event	Motion detection, video tampering alarm, alarm input and output, Sound detection
Deep Learning Function	Face Recognition, Human & Vehicle Detection, Perimeter Intrusion Detection, Line Crossing Detection, Stationary Object Detection, Crossing Counting, Heat Map, Intrusion detection, Region entrance detection, Region exiting detection, License plate Recognition
Smart Tracking	auto-tracking
Alarm Linkage	Upload to FTP, send email, trigger alarm output, trigger recording
General	
Power	36VDC/24VAC/PoE++, max. 44.80W
Operating Condition	-30 °C to 60 °C (-22 °F to 149 °F). Humidity 90% or less (non-condensing)
Material	Metal

Dimension	Ø 206.4 mm × 337.8 mm (Ø 8.13" × 13.3")
Weight	Approx. 5.27 kg (11.6lb)
Approval	
Protection	IP67, IK10

■ Dimension



■ Accessory (included)



RS-BZJ-D

■ Accessory (Optional)



RS-CZJ-B



RS-DZJ-F



RS-PZJ-C