



Product Data Sheet
Model : OPT-RY-8MB-2812MM-AI-DWDR

Video

Imaging Device	1/2.7"
Effective Pixels	8MP 3840(H)×2160(V)
Scanning System	Progressive CMOS
Min. Illumination	Color 0.009lux @ F1.6(AGC ON) ; B/W 0 lux @ IR ON

Lens Type

Focal Length (Zoom Ratio)	2.7-13.5mm
Max. Aperture Ratio	F No. 1.8(W) ~ 3.3(T)
Angular Field of View	Horizontal:116(W)-34(T) °, Vertical: 59(W)-19(T)°, Diagonal: 142(W)-39(T)°
Min. Object Distance	0.8m(W) ~ 1m(T)
Lens Type	Motorized(Ø14)

Operational

IR Viewable Length	Up to 45m
Camera Title	On/Off
Day & Night	IR cut filter with auto switch (Day/Night/Auto/Image/Schedule)
Backlight Compensation	Off/On (5 Zone)
Wide Dynamic Range	DWDR
Digital Noise Reduction	3D DNR
Motion Detection	Off/On (8 Level)
Privacy Masking	Off/On (4 Zone, Rectangle)
Gain Control	Auto
White Balance	Auto/Manual
Electronic Shutter Speed	1/5 ~ 1/20000s
On-Board Storage	Micro SD slot, up to 256GB
Alarm	1 input, 1 output
Audio	1 input (RCA), 1 output (RCA)
Hardware Reset	Yes
Smart Feature	Face Recognition, Pedestrian & Vehicle , Perimeter Intrusion , Line Crossing , Object Detection, Crossing Counting, Heat Map, Crowd Density , Queue Length , License Plate Rare Sound, Intrusion, Region Entrance, Region Exiting



Network

Ethernet	RJ45(10/100BASE-T)
Video Compression Format	H.265/H.264
Resolution	<p>"Main Stream @25fps</p> <p>8MP(3840x2160),5MP(2592x1944,3072x1728), 4MP(2592x1520),3MP(2304x1296),1080P(1920x1080), 960P(1280*960),720P(1280x720),</p> <p>Sub Stream @25fps</p> <p>720P(1280x720),VGA(640x480),QVGA(320x240)</p> <p>Mobile Stream @25fps</p> <p>VGA(640x480), QVGA (320x240) "</p>
Video Quality Adjustment	8Kbps ~ 16Mbps
Bitrate control method	CBR/VBR
Streaming Capability	Triple-Stream(Main/Sub/Moile)
Protocol	"TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP, SMTP,NTP,UPnP,SNMP,HTTPS,FTP"
Web browser	<p>"IE10/11</p> <p>Safari V12.1 above</p> <p>Firefox V.52 above</p> <p>Google chrome V.57 above</p> <p>Edge V.79 above"</p>
Security	IP address filter;complicated password;Authenticated username and password
Streaming Method	Unicast/Multicast
Application Programming Interface	ONVIF(Profile S/G/T/M)

Environmental

Operating Conditions	-35~+60°C/less than ≤ 90% RH
Ingress Protection	IP67

Electrical

Input Voltage / Current	D12V/POE(IEEE802.3af)
Power Consumption	DC12V :max 7.5W; POE (48V): max 9.1W

Mechanical

Material	Metal
Dimensions (HxWxD)	242*87.4*83.88mm
Weight	811g