



Product Data Sheet

Model : OPT-RY-2MB-3645-AI-WDR-60F

Professional 2 Megapixel AI Motorized Bullet Network Camera

2 Megapixel Motorized High quality imaging with progressive scan CMOS
Real time Support SMART H.265/H.264 coding Up to 45M IR distance
Bullet network camera



VIDEO

Imaging Device	1/2.8"
Effective Pixels	2MP 1920(H)×1080(V)
Scanning System	Progressive CMOS
Min. Illumination	Color 0.002lux @ F1.6(AGC ON) ; B/W 0 lux @ IR ON

LENS TYPE

Focal Length (Zoom Ratio)	2.8-12 mm
Max. Aperture Ratio	F No. 1.8(W) ~ 3.3(T)
Angular Field of View	Horizontal: 101 ~ 33°, Vertical: 52 ~ 18°, Diagonal: 124 ~ 37°
Min. Object Distance	1.2m (W/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	WDR
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	Mainstream @60fps 1080P(1920x1080),960P(1280x960),720P(1280x720) Substream @30fps 720P(1280x720),VGA(640x480),QVGA(320x240) Mobilestream @30fps VGA(640x480), QVGA (320x240) "
Video Quality Adjustment	256Kbps ~ 8Mbps
Bitrate control method	CBR/VBR
IP	IPv6
Streaming Capability	Triple-Stream(Main/Sub/Moile)
Protocol	"TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP, SMTP,NTP,UPnP,SNMP,HTTPS,FTP"
Web browser	"IE10/11, Safari V12.1 above, Firefox V.52 above, Google chrome V.57 above, Edge V.79 above"
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 6.7W; POE (48V): max 8.6W

MECHANICAL

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



