



## Product Data Sheet

Model : OPT-RY-4MB-LPR-120KM2812

Audio & Light Alarm	1/1.8" Progressive Scan CMOS
Dual Modes	Customizable Voice
Dual Light Sources	24/7 All-weather Color Images

"Providing real-time video output at maximum resolution 2688×1520@60fps

Supports warm light/infrared dual supplementary light

Supports ROI (Region of Interest)

Supports backlight compensation, strong light suppression, 3D digital noise reduction, 120dB wide dynamic range, suitable for different video environments

Supports AI & Motorized zoom (fast zoom)

Supports Rs-485&Wiegand

Supports Precise iris

Equipped with 1 built-in microphone, 1 built-in speaker, 1 set of audio input and output, 2 set of alarm input and output

Designed to meet IP67 dust and water resistance standards"

## Video

Imaging Device	1/1.8"
Effective Pixels	4MP 2688(H)×1520(V)
Scanning System	Progressive CMOS
Min. Illumination	Color 0.007lux @ F1.0(AGC ON) ; B/W 0 lux @ IR ON

## Lens Type

Focal Length (Zoom Ratio)	2.8-12mm
Max. Aperture Ratio	F1.47(Wide) ~ F2.53(Tele) ±5%
Angular Field of View	H:111(W)-40(T)° V:57(W)-22(T)° D:137(W)-46(T)°
Min. Object Distance	W/T:1m~INF
Iris Type	Precise iris

## Operational

IR LED	4
WarmLight	4
IR Viewable Length	Up to 50m
WarmLight Viewable Length	Up to 30m
Type of complementary light	Default warm light, switchable infrared light
Motion Detection	Off/On (8 Level)
Wide Dynamic Range	WDR
Digital Noise Reduction	3D DNR
Image Setting	Full Color Mode/Day&Night Mode/Smart Illumination
White Balance	Auto/Manual
Electronic Shutter Speed	1/5 ~ 1/20000s
On-Board Storage	Micro SD slot, up to 256GB
Alarm	2 input, 2 output
Audio	1 input, 1 output, 1 Built-in microphone
Custom Voice	Yes
Hardware Reset	Yes
Smart Feature	Face Recognition, Pedestrian & Vehicle , Line Crossing , Object Detection, Crossing Counting, Heat Map, Crowd Density ,Queue Length , License Plate Rare Sound, Intrusion, Region Entrance, Region Exiting
LPR Vehicle Speed	Up to 120km/h

## Network

Ethernet	RJ45(10/100BASE-T)
Video Compression Format	H.265/H.264/H.265+/H.264+/MJPEG
Resolution	"Main Stream @60fps 4MP(2688x1520),3MP(2304x1296),1080P(1920x1080),720P(1280x720) Sub Steam @30fps 1080P(1920x1080),720P(1280x720),VGA(640x480) Mobile Stream @30fps VGA(640x480), QVGA (320x240)

Video Quality Ajustment	256Kbps ~ 8Mbps
Bitrate control method	CBR/VBR
IP	IPv6
Protocol	"TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP,SMTP,NTP,UPnP,SNMP ,HTTPS,FTP"
Security	IP address filter;complicated password;Authenticated username and password
Application Programming Interface	ONVIF( Profile S/G/T)
Web Viewer	"IE10/11 Safari V12.1 above Firefox V.52 above Google chrome V.57 above Edge V.79 above

## Environmental

Operating Conditions	>
Ingress Protection	IP67;IK10;NEMA 4X

## Electrical

Input Voltage / Current	D12V/POE
Power Consumption	DC12V :max 8.05W; POE (48V) : max 9.44W

## Mechanical

Material	Metal
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