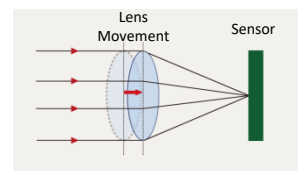


- Zoom lens / Motorized lens available
- Auto Focus function
- High Dynamic Range (HDR)
- Remote Zoom / Focus / IRIS control on AF lens
- Dual IRIS support (Auto-IRIS & P-IRIS)
- Triple power support (PoE/ DC12V/ AC24V)
- IR LED built in



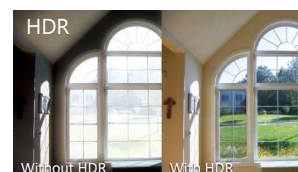
Auto Focus

R2-B can perform fast, reliable auto focus and can adapt to different indoor and outdoor scenes through its unique algorithm. As auto focus can be done by camera itself, no on-site focus adjustment is required.



4K HDR

R2-B utilizes advanced image processing technology, offering crisp 4K, high quality HDR video. Its HDR capability captures more image detail under challenging light conditions, such as shopping center entrances and airport terminals.



Features

- Multiple Progressive Scan CMOS Sensor support up to 8M Resolution
 - Multi Exposure HDR
 - Multi Codec support (H.265 / H.264 / MJPEG)
 - Low Latency Streaming
 - Quad Streams support
 - True Day/Night function (ICR)
 - IR LED (working distance up to 40m)
 - BNC Analog Output for installation support*
 - 3D Motion Compensated Noise Reduction (MCTF)
 - Smart Event function- External Input/ Motion Detection/ Network Failure Detection/ Tampering Alarm/ Periodical Event/ Manual Trigger/ Audio Detection
 - Text Overlay and Privacy Masks
 - Micro SD/SDHC/SDXC Card support
 - ONVIF Profile S/G/Q support
 - Smart Low Bitrate control
 - Weatherproof (IP66)
- * optional

Custom Specification (Default)

Omni Vision 4K		
Image Sensor	Omni Vision 4K 1/2" Progressive CMOS	
Effective Pixels	HxV = 3872x2192(4K)	
Pixel Size	2.0 μm	
Frame Rate (Maximum)	H.265 HDR 4K @25fps	
	HDR 4K @20fps + 720p @30fps	
	HDR 6M @30fps + 720p @30fps	
	H.264 HDR 4K @30fps	
	HDR 4K @20fps + 720p @30fps	
	HDR 6M @30fps + 720p @30fps	
	MJPEG 1080p @30fps	
Lens : Default		
Minimum Illumination	Color B/W	0.1 lux 0.01 lux
Lens	Motorized Lens Focal Length Horizontal FOV Vertical FOV	focus, zoom, P-Iris, F1.6 4-8mm 113° (wide), 58° (tele) 62° (wide), 33° (tele)

Common Specification

Camera	
Day and Night	Automatically removable IR-cut filter
Shutter Time	1~1/10K sec.
HDR	Yes
EIS	No
Zoom	Optical zoom, digital zoom ready by lens type
Image Settings	Color, Brightness, Sharpness, Contrast White Balance, Exposure Control 2DNR, 3DNR, NR by Motion Masking, Text Overlay
Corridor Mode	90°, 180°, 270° rotation
Video Codec	
Compression	H.265/H.264/MJPEG
Streaming	Up to 4 individually configurable streams in H.265/H.264/MJPEG Configurable resolution/frame rate/bandwidth LBR/VBR/CBR in H.265/H.264
Audio Codec	
Compression	G.711 / G.726 / AAC / LPCM
Streaming	2 way
Audio Input	Line in
Audio Output	Line out
Network	
Interface	10/100Mbps Ethernet
Security	User Authentication/HTTPS/IP Filter/IEEE 802.1x
Supported Protocols	ARP, PPPoE, IPv4/v6, ICMP, IGMP, QoS, TCP, UDP, DHCP, UPnP, SNMP, SMTP, RTP, RTSP, HTTP, HTTPS, FTP, NTP, DDNS
Onvif	Profile S / G / Q conformant
System Integration	
Analytics	Motion Detection/Tampering/Audio detection
Event Triggers	External Input, Analytics, Network Failure Detection, Periodical Event, Manual Trigger
Event Actions	External output Activation Video and audio recording to edge storage File Upload : FTP, network share and email Notification : HTTP, FTP, email

General	
Casing	Metal and Plastic
Power	PoE IEEE802.3af, class 0 DC12V,1.14A, max 13.68 watt AC24V, max 13.68 watt
Connectors	RJ45
	Alarm in x2, Alarm out x1, Terminal Block
	DC12V Terminal Block
	AC 24V Terminal Block
	Audio in 3.5mm Jack
	Audio out 3.5mm Jack
	CVBS Connector*
IR Illumination	Illumination distance: 40m
Storage	Support for microSD/microSDHC/microSDXC card Support for recording to NAS
Operating Conditions	-30°C~55°C (-22°F~131°F) without heater -55°C~55°C(-67°F~131°F) with heater 10%~90%, No Condensation
Storage Conditions	-20°C~70°C (-4°F~158°F)
Approvals	EMC CE / FCC Safety LVD Environment IP66, IK10
Dimensions	Ø92x216.6 mm
Weight	780 g

*optional

Custom Specification

Default

Omni Vision 4K, Lens Type 1	
Image Sensor	Omni Vision 4K 1/2" Progressive CMOS
Effective Pixels	HxV = 3872x2192(4K)
Pixel Size	2.0 μm
Frame Rate (Maximum)	H.265 HDR 4K @25fps HDR 4K @20fps + 720p @30fps HDR 6M @30fps + 720p @30fps
	H.264 HDR 4K @30fps HDR 4K @20fps + 720p @30fps HDR 6M @30fps + 720p @30fps
	MJPEG 1080p @30fps
Lens	Type 1 (Motorized Lens)
Minimum Illumination	Color 0.1 lux
	B/W 0.01 lux
Lens	Motorized Lens focus, zoom, P-Iris, F1.6
	Focal Length 4-8mm
	Horizontal FOV 113° (wide), 58° (tele)
	Vertical FOV 62° (wide), 33° (tele)

Sony 4K, Lens Type 1	
Image Sensor	Sony 4K 1/1.8" Progressive CMOS
Effective Pixels	HxV = 3864x2180(4K)
Pixel Size	2.0 μm
Frame Rate (Maximum)	H.265 HDR 4K @25fps HDR 4K @20fps + 720p @30fps HDR 6M @30fps + 720p @30fps
	H.264 HDR 4K @30fps HDR 4K @20fps + 720p @30fps HDR 6M @30fps + 720p @30fps
	MJPEG 1080p @30fps
Lens	Type 1 (Motorized Lens)
Minimum Illumination	Color 0.04 lux
	B/W 0.002 lux
Lens	Motorized Lens focus, zoom, P-Iris, F1.6
	Focal Length 4-8mm
	Horizontal FOV 113° (wide), 59° (tele)
	Vertical FOV 63° (wide), 32° (tele)