

## IMA12S 12MP Black Light AI HD Network Camera Module

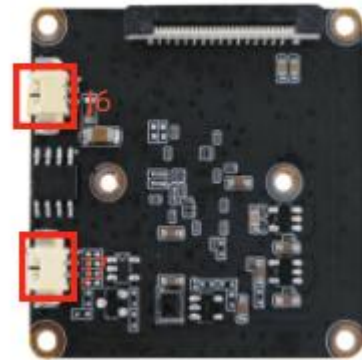
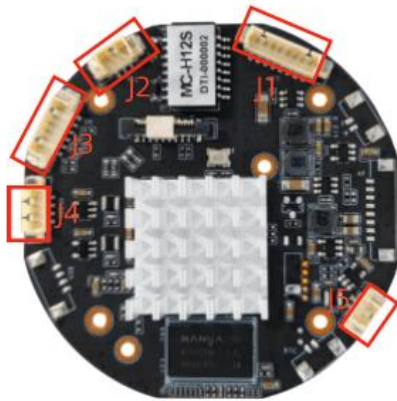


### Key Features:

- 1/2.3" 12MP CMOS Sony IMX577 Sensor
- Maximum resolution up to 4000x3000@25fp
- True Day/ Night , 3D DNR , Digital WDR
- support out-of-bounds detection ,enter area and leave intrusion detection
- Support CDS control and PWM control
- Support the P2P on Android , IOS
- Support two way audio
- Support ONVIF2 .6
- Support TCP/ IP/ HTTP/ NTP/ DHCP/SMTP/ RTSP

## Technical specifications:

Image sensor	
Sensor	1/2.3" 12MP IMX577 CMOS
Maximum resolution	4000x3000@25fp
Minimum illumination	Color: 0.01Lux, B/W: 0.005Lux
Camera	
AGC	Auto/Manual
S/N ratio	≥120dB (AGC OFF)
Shutter speed	1/2 - 1/20,000s, Slow shutter support
Wide dynamic range	Digital WDR
Exposure mode	Auto/ Manual/shutter mode
White balance	Auto/ Manual /ATW/ Indoor/Outdoor/ lamp
Day & Night	External control (IR Cut Filter)
Compressed format	
Video compression	H.265+/ H.265//H.264
Audio compression	G711
Image resolution	
Main stream	4000 × 3000@25fps ,3840 ×2160@30fps
Sub stream	720×480/D1/VGA/640×360@30fps
Network interface	
Wired	1ch 10/100BaseT Ethernet, RJ45 interface
Other	
Power supply	12VDC
Size	38x38mm
Work Temperature	-30 °C ~85 °C
Working humidity	≤90% RH (non-condensing)



Interface	Pin	Pin name	Functional parameter
J1	1	DC12V	DC12Vinput
	2	GND	Power supply ground
	3	RJ45_6	Adaptive port, physical feed / signal (differential-)
	4	RJ45_3	Adaptive network port, physical feed / send signal (difference +)
	5	RJ45_2	Adaptive port, physical feed / signal (differential-)
	6	RJ45_1	Adaptive network port, physical feed / send signal (difference +)
	7	LED+	Network indicator light interface
	8	LED+	Network indicator light interface
J2	1	PWM0	Soft photosensitive white light
	2	PWM1	Soft photosensitive infrared
	3	GND	Gnd
J3	1	GND	Gnd
	2	AF_TX	Auto focus interface
	3	AF_RX	NC
	4	AF_TX	reserve
	5	AF_RX	reserve
	6	SPK_EN	Power amplifier IO
J4	1	GND	Gnd
	2	AUDIO_OUT	External speaker
	3	AUDIO_IN	Active/Passive Pickup
	4	GND	Gnd
J5	1	RESET	reset
	2	GND	Gnd
J6	1	IR-CUT	Output+
	2	IR-CUT	Output-
J7	1	CDS_IN	Infrared light control signal input
	2	GND	Gnd