



Product Features

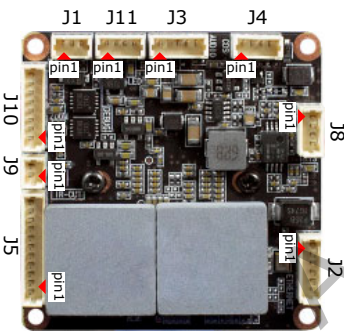
- 8.29 Megapixel, IP camera, 3840x2160/30fps
- Remote field upgradable firmware
- Cross web browsing
- Power board includes PoE and 12VDC
- Three simultaneous streams of MJPEG & H.264 or H.265
- Zero configuration IP address (Zeroconf)
- Simple-LDC (Lens Distortion Compensation)
- Functions: Motion Detection, Privacy Mask, Defog, BLC, Mirror/Flip
- Adaptive web re-sizing depending on layout & resolution of display device



24M8.29NIP with optional lens shown (Processor & PoE double board camera)

Connectors

Sensor/ Processor Board



J1 MAC Address Input

Molex, 53047-0310

01	TxD
02	RxD
03	GND

J11 STATUS LED Control

Molex, 53398-0471

01	PHY LINK LED
02	Status LED 1
03	Status LED 2
04	GND

J3 Audio & Alarm & Reset

Molex, 53047-0510

01	AUDIO_IN
02	AUDIO_OUT
03	GND
04	ALARM_IN
05	ALARM_OUT

J4 IRLED Control

Molex, 53047-0410

01	12V out
02	CDS in
03	GND
04	IR_LED on

J10 Motorize Zoom Control

Molex: 53047-0810

01	FOCUSA-
02	FOCUSA+
03	ZoomA-
04	ZoomA+
05	ZoomB+
06	ZoomB-
07	FOCUSB-
08	FOCUSB+

J9 Day & Night Motor Control

Molex, 53047-0210

01	DN MOTOR+
02	DN MOTOR-

J2 Lan Trans Connect

Molex, 53047-0610

01	+12V
02	LAN TxD+
03	LAN TxD-
04	LAN RxD+
05	LAN RxD-
06	GND

J5 Micro SD Card Control

Molex, 53047-1110

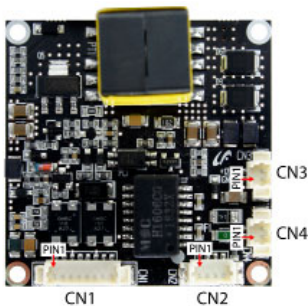
01	SD_DAT2
02	SD_DAT3
03	SD_CMD
04	+3.3V out
05	SD_CLK
06	GND
07	SD_DAT0
08	SD_DAT1
09	SD_DET
10	SD_Pwr_En
11	FACTORY_RESET

J8 DC IRIS Lens Control

Molex, 53398-0471

01	DAMP+
02	DAMP-
03	DRIVE+
04	DRIVE-

PoE /12V Board



CN1 Network

Molex: 53047-0810

01	TxA +
02	TxA -
03	RxA +
04	VB1
05	VB1
06	RxA -
07	VB2
08	VB2

CN3 Power OUT

Molex: 53047-0210

01	GND
02	+12V Output

CN2 Network

Molex: 53047-0410

01	TxB +
02	TxB -
03	RxB +
04	RxB -

CN4 AUX Power IN

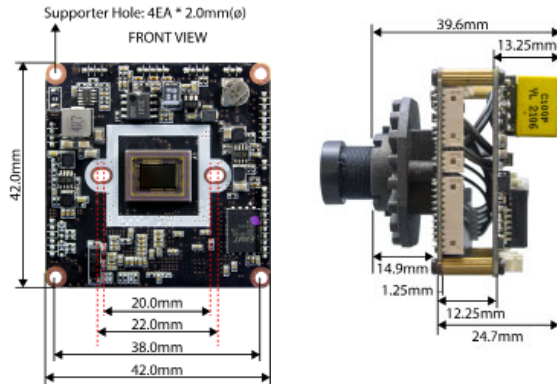
Molex: 53047-0210

01	Aux. Input (+12V)
02	GND



Dimensions

Sensor/Processor and PoE/12V Board



Technical Specifications

Electrical		24M8.29NIP
Imaging Sensor	Sony 1/2.8" STARVIS CMOS 8MP Sensor (IMX415)	
Effective Pixels	3840 (H) x 2160 (V) (approx. 8.29 megapixels)	
Sensitivity	~0.01 lux	
Scanning Mode	Progressive Scan	
Day & Night Mode	Connector is supported	
WDR	Auto/manual	
SHDR	On/Off	
DNR	3D-NR	
Shutter Speed Control	Automatic/Manual: min 1/30,000 sec ~ max 1/25 sec	
Gain Control	Auto/manual	
Slow shutter	2x/4x/Off	
White Balance	Automatic, Manual, Daylight, Cloudy, Tungsten, Sunset	
Functions	Motion Detection, Privacy Mask, Defog, BLC, Mirror/Flip, LDC	
Power Source	12VDC, PoE is 44.0 – 57.0VDC	
Power Consumption	3.36W (280mA)	

HTTP Control

On Screen Display	On/Off
Back Light Compensation	On/Off
Image Effect	Mirror, Flip
Privacy Mask	4 blocks, ON/OFF
Video Motion Detection	Yes
Defog	On/Off
Lens Distortion Compensation	On/Off

Environmental

Operating Temp.	-10°C ~ 50°C (14°F ~ 122°F)
Operating Humidity	90% RH

Mechanical

Dimensions	42.0mm x 42.0mm x 7.5mm (w/o lens mount)
with PoE Board	42.0mm x 42.0mm x 24.7mm (±5mm for cable overlap) (w/o lens mount)
Weight	13g

Network

Video Compression	H.265, H.264, MJPEG
Video Resolution	3840x2160 (4K), 3072x2048, 2592x1944, 2592x1520, 1920x1080, 1280x720, 1024x768, 960x540, 854x480, 640x480, 352x240
Bitrate control	CBR/VBR, Network Bandwidth Control
Video Frame Rate	30/25fps@3840x2160p Max.
Video Streaming	Triple Streaming 2 H.264/H.265, 1 MJPEG
	Independent frame rate and bandwidth control, VBR/CBR mode
Login Authority	Administrator, Operator, Guest
Security	WS-security, RTSP Access Control
Network Time Sync.	Synchronize Computer/NTP Server, Manual
Software Reset	Restart, Factory Default
System Setup	Import and Export of setting files
Remote Upgrade	Via web browser
Protocol	TCP/IP, UDP, HTTP, HTTPS, UPnP, RTP, RTSP, RTCP, DHCP, ARP, Zeroconf, SMTP, NTP, ICMP, DDNS, ONVIF
Connection mode	Fixed IP, DHCP, DDNS
Max. User Access	Up to 10
Client Software	Built-In Web, ONVIF profile S compliant
SDK Support	API ONVIF profile S compliant
Remote Monitoring	Web Browser
SD Memory Card	Connector is supported, SD/MicroSD 256GB Max
Local Record Mode	Motion/Continuous/Schedule
Remote record	Supported
Audio & Alarm	Connector is supported

External IN/OUT

Ethernet Tx/Rx	RJ-45 (10/100Base-T)
IR_LED Control	IR_LED Control On/Off
Day & Night Control	IR_Cut_Filter Exchange
Iris Control	DC-Iris, Fixed
Alarm Control	Alarm-In 1/Alarm-Out 1
SD Card	SD/MicroSD Class4 at least
Audio	Line-In/Line-Out
Focus Control	One Push, Manual, (Automatic)
NTSC/PAL	NTSC/PAL composite Out
Power	+12VDC Input

