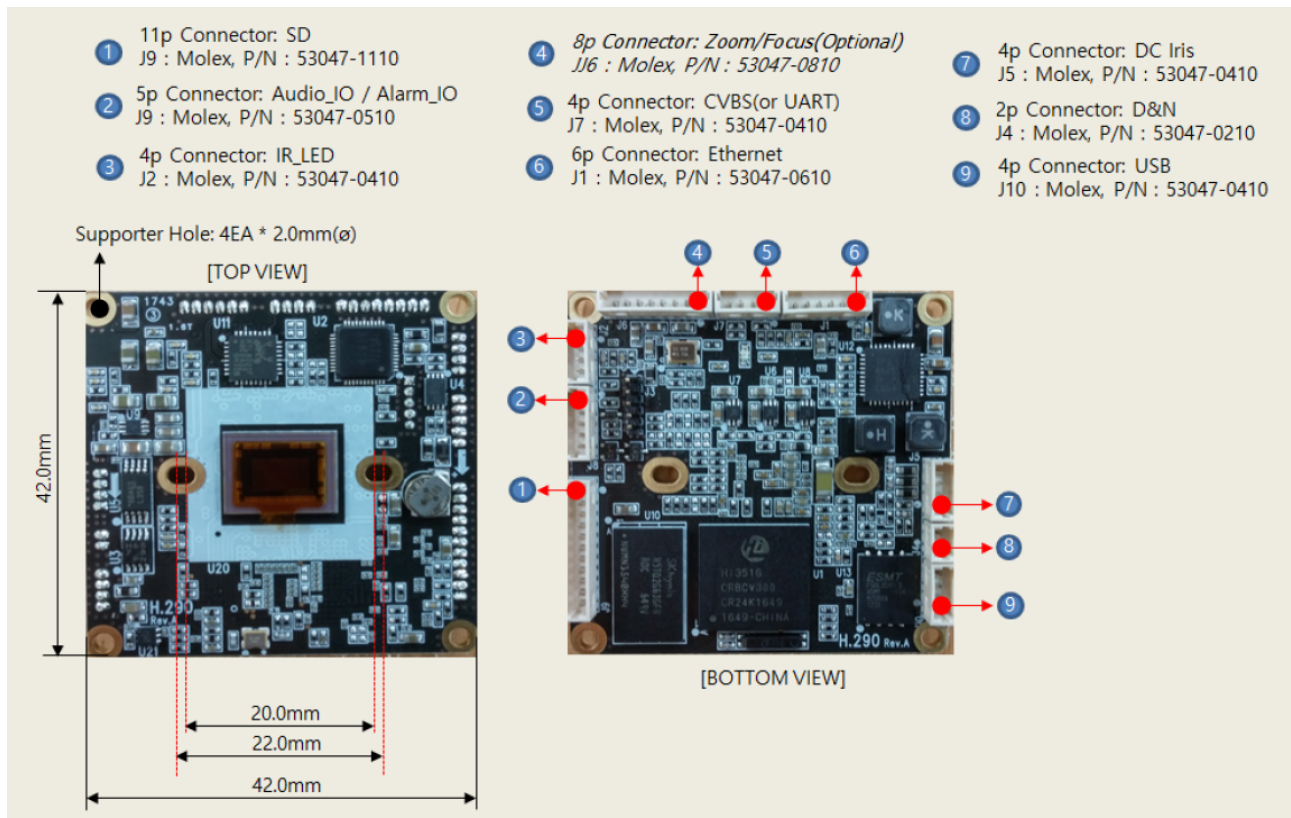




2 MP BOARD LEVEL IP CAMERA MODULE



- 42 x 42mm
- SONY STARVIS™ CMOS SENSOR
- Full HD 1080p30, H.264 / H.265 / MJPEG
- IR LED
- N&D
- DC IRIS
- ZOOM / FOCUS
- AUDIO / ALARM
- SD CARD INTERFACE
- ONVIF PROFILE S COMPLIANT

IMAGE	
Image Sensor	Sony IMX290LQR-C, 1/2.8"
Number of Effective Pixels	1945(H) x 1097(V) approx. 2.13M pixels
Min. Illumination	TBD
Scanning Mode	Progressive Scan
CAMERA	
Wide Dynamic Range	DOL True-WDR
Day and Night Mode	Automatic, Day, Night
Noise Reduction	2D-NR, 3D-NR
Auto Exposure Mode	Automatic (Priority: Frame rate/Low noise), Manual
Shutter Speed Control	Automatic: Min. 1/135,000 sec ~ Max. 1/60 sec Manual: Min. 1/10,000 sec ~ Max. 1/10 sec
Gain Control	Automatic: Min. 1.2dB ~ Max. 54dB Manual: Min. 1.2dB ~ Max. 54dB, Default 1.2dB
Auto White Balance Mode	ATW-Indoor/Outdoor, Shade, Clear sky, Fluorescent light, Light bulb, Flame, Manual
<i>Auto Focus (Optional)</i>	<i>One Push, Manual, (Automatic)</i>
<i>Optical Zoom (Optional)</i>	<i>Motorized 4.2x</i>
<i>Optical Zoom Speed (Optional)</i>	<i>1~6 Steps</i>
Digital Zoom	16x
On Screen Display	On/Off
Back Light Compensation	On/Off
High Light Compensation	On/Off
Image Effect	Mirror, Flip
Privacy Mask	Max.8 Area Selection
Tamper	On/Off
Video Motion Detection	Max.4 Area Selection
Corridor Format	90°/270°
Defog	On/Off
Lens Distortion Compensation	On/Off
Digital Image Stabilization	On/Off

NETWORK	
Video Compression	H.265 Main profile, H.264(High, Main, Base line profile), MJPEG
Video Resolution	1920x1080(Full-HD), 1280x1024(SXGA), 1280x720(HD), 704x480(4CIF/NT), 704x576(4CIF/PAL), 640x480(VGA), 352x288(CIF), 320x240(QVGA)
Video Frame Rate	Up to 30fps@1920x1080p
Video Streaming	Simultaneously H.265 and MJPEG (Multi Streaming) or Simultaneously H.264 and MJPEG (Multi Streaming) Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
Audio Streaming	Two way(G.711)
FTP Uploading	MJPEG Still Image
Event In	Onboot/Trigger/Network Loss/Tampering/Motion
Event Out Notification	E-mail, FTP
Login Authority	Administrator, Operator, Guest
Event Buffering	FTP : Pre/Post Event Time: 0~30sec, FPS: 1~2 fps
Manual Trigger	Still Image Capture
Security	Multi User Authority, IP Filtering, HTTPS
Network Time Sync	Synchronize Computer/NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Auto Recovery	Backup, Restore
Remote Upgrade	Using Web Browser
Protocols	TCP/IP, UDP, IPv4/v6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, RTCP, DHCP, ARP, Zeroconf
Client Software	Built-In Web, ONVIF Compatible 3rd Party VMS
Max. User Connection	10 Users
SDK Support	API, ONVIF Profile S Compliant
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	SDHC/SDXC
Audio	Line-In/Line-Out
USB	USB 2.0
CVBS(or UART)	Composite Out(or Serial TX/RX)
Zoom Control	Max. 4.2x
Focus Control	One-Push, Manual, (Automatic)
NT/PAL	NT/PAL composite Out
OPERATION ENVIRONMENTS	
Operating Humidity	0~90% (non-condensing)
Operating Temperature	-10°C ~ +50°C
Power Supply	DC12V
Power Consumption	4W(without IR_LED)
Dimension	42.0mm(H) x 42.0mm(V)
Weight	15g