

# SPECIFICATION

**3MP IP**  
Onvif Compliant

## FEATURES

Sony 1/2.8" 3.23Megapixel RGB Bayer Array CMOS Sensor

Wide Dynamic Range (Digital WDR (ATR-EX)) / Day and Night Mode (Automatic, Day, Night External)

Noise Reduction (2D-NR, 3D-NR) / BLC / HLC / LDC / Tamper / Defog / Image Effect

Privacy Mask / Video Motion Detection

## SPECIFICATION

LENS (Optional)		Focal Length : 2.8-12 mm / F No. : 1.4±5% Field of View : H103° x V74.4° - H30.8° x V23.3°
IMAGE	Image Sensor	Sony 1/2.8" 3.23Megapixel RGB Bayer Array CMOS Sensor
	Image processor	Sony Xarina™ Image Signal Processor
	Number of Effective Pixels	2048(H) x 1536(V) approx. 3.15M pixels
	Min. Illumination	(Color Mode : 0.15 lx at 50IRE/30fps) (B/W Mode: 0.09 lx at 50IRE/30fps)
	Scanning Mode	Progressive Scan
	S/N Ratio	51dB
CAMERA	Function	Wide Dynamic Range (Digital WDR (ATR-EX)) / Day and Night Mode (Automatic, Day, Night, External) Noise Reduction (2D-NR, 3D-NR) / BLC / HLC / LDC / Tamper / Defog / Image Effect (Mirror, Flip) Privacy Mask (Max.8 Area Selection) / Video Motion Detection (Max.4 Area Selection)
	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
	Auto Focus (Optional)	One Push, Manual, (Automatic)
	Zoom	Optical Zoom (Optional) : Motorized 4.2x / Optical Zoom Speed (Optional) : 1-6 Steps / Digital Zoom : 16x
	Corridor Format	90°/270°
	Video Compression	Sony Xarina™ (H.264(High, Main, Base line profile), MJPEG) / Video Frame Rate (Up to 30fps@2048x1536p)
	Video Resolution	2048x1536(QXGA), 1920x1080(Full-HD), 1280x1024(SXGA), 1280x720(HD), 704x480(4CIF/NT), 704x576(4CIF/PAL), 640x480(VGA), 352x288(CIF), 320x240(QVGA)
	Video Streaming	Simultaneously H.264 and MJPEG (Triple Streaming) / Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
	Audio Streaming (Option)	Two way(G.711)
	FTP Uploading	MJPEG Still Image
	Event (Option)	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
NETWORK	Manual Trigger	Still Image Capture
	Security	Multi User Authority, IP Filtering, HTTPS
	Network Time Sync	Synchronize Computer/NTP Server, Manual
	Remote Upgrade	Using Web Browser
	Protocols	TCP/IP, UDP, IPv4/v6, HTTP, HTTPS, FTP, UpnP, RTP, RTSP, DHCP, ARP, Zeroconf
	Client Software	Built-in Web, ONVIF Compatible 3rd Party VMS
	Max. User Connection	10 Users
EXTERNAL IN/OUT	Ethernet Tx/Rx	RJ-45(10/100Base-T)
	Control	IR_LED (IR_LED Control On/Off) / Day & Night (IR_Cut_Filter Exchange) / Iris (DC-Iris, Fixed) Zoom (Max. 4.2x) / Focus (One-Push, Manual, (Automatic))
	SD Card (Option)	SDHC/SDXC
OPERATION ENVIRONMENTS		Operating Humidity (0-90% (non-condensing)) / Operating Temperature (-10°C - +50°C) Power Supply ( DC12V / PoE) / Power Consumption (4W(without IR_LED))

▶ Above specifications may be changed without any notice.