



SPECIFICATIONS

LENS Optional	Focal Length : 3.6 ~ 10.0 mm / F No. : 1.5±5% / Format : 1/1.8 inch Field of View : H109 ~ H42	
IMAGE	Image Sensor	Sony 1/1.8 6.44Megapixel RGB Bayer Array CMOS Sensor
	Number of Effective Pixels	3096H × 2080V approx. 6.44M 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	
CAMERA	Function	Wide Dynamic Range Digital WDR ATR-EX / Day and Night Mode Automatic, Day, Night 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 2.8x / Optical Zoom Speed Optional : 1 ~ 6 Steps / Digital Zoom : 16x
	Corridor Format	90 /270

NETWORK	Video	Video Compression H.264High, Main, baseline profile, MJPEG / Video Frame Rate Up to 15fps@2592 × 1944p
	Video Resolution	2592 × 1944, 2048 × 1536QXGA, 1920 × 1080Full-HD, 1280 × 1024SXGA, 1280 × 720HD, 704 × 4804CIF/NT, 704 × 5764CIF/PAL, 640 × 480VGA, 352 × 288CIF, 320 × 240QVGA
	Video Streaming	Simultaneously H.264 and MJPEG Triple Streaming Independent Frame Rate and Bandwidth Control, VBR/CBR Mode
	Audio Streaming	Two-wayG.711
	FTP Uploading	MJPEG Still Image
	Event	Event In On boot/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
	Control	IR_LED IR_LED Control On/Off / Day & Night IR_Cut_Filter Exchange / Iris DC-Iris, Fixed Alarm Alarm-In 1/Alarm-Out 1 / Zoom Max. 2.8x/ Focus One-Push, Manual, Automatic / Audio Line-In/Line-Out
	SD Card Option	SDHC/SDXC
OPERATION ENVIRONMENTS		Operating Humidity 0 ~ 90% non-condensing / Operating Temperature 14 °F -10 °C ~ 122 °F 50 °C
		Power Supply DC12V / PoE / Power Consumption 4Wwithout IR_LED

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