



Camera		2M	
Image Sensor		1/2.8" Sony Progressive CMOS	
Picture Elements		1920 (H) x 1080 (V)	
Shutter Speed		1 ~ 1/10000 sec.	
Lens			
Lens		3x / 18x Optical Zoom, Auto Focus	
Focal Length		3x- 3.0 ~ 9.0 mm 18x- 4.7 ~ 84.6 mm	
F Number		3x- F1.2 (Wide); F 2.1 (Tele) 18x- F1.6 (Wide); F2.8 (Tele)	
Operation			
Multiple Languages		English / French / German / Italian / Japanese / Korean / Portuguese / Russian / Simplified Chinese / Spanish / Traditional Chinese	
Image Setting	Iris Control		DC Iris
	Backlight Compensation		On / Off
	White Balance		Auto / Manual / ATW / Indoor / Outdoor
	Noise Reduction (3D / 2D)		Low / Middle / High / Off
	Wide Dynamic Range		Shutter WDR (96dB)
	Privacy Mask		On / Off
	Brightness		Manual
	Exposure		Auto / Manual
	Sharpness		Manual
	Contrast		Manual
	Saturation		Manual
	Hue		Manual
	Digital Zoom		Support
	Motion Detection		On / Off
	Privacy Mask Type		Color
ICR		Auto / On / Off	
Tampering Alarm		On / Off	
Digital Image Stabilization (DIS)		On / Off	
Audio	Two-way Audio		Line Out, Line In
	Compression		G.711 / G.726
Network			
Interface		RJ-45, 10/100/1000 Mbps Ethernet (Giga Ethernet)	
Video Compression		H.264 / MJPEG	
Video Streaming	Dual Streams	PAL	H.264 1080P (50 fps) + H.264 / MJPEG D1 (50 fps)
		NTSC	H.264 1080P (60 fps) + H.264 / MJPEG VGA (30 fps)
	Quad Streams	H.264 1080P (25/30 fps) + H.264 720P (25/30 fps) + H.264 720P (25/30 fps) + H.264 / MJPEG CIF (25/30 fps)	
Video Resolution		Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF / QCIF @ 50/60 fps or 25/30 fps (2 Shutter WDR)	
Protocol		IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF	
Security		HTTPS / IP Filter / IEEE 802.1x	
Alarm	Input		1 Set, 5V 10kΩ pull up
	Output		1 Set, Photo Relay Output 300V DC/AC
Event Notification		HTTP / FTP / SMTP	
Micro SD		microSDHC 32GB support	
User Account		20	
Password Levels		User and Administrator	
Internet Browser		Internet Explorer (6.0+), Chrome, Firefox, Safari	
Mechanical			
LED Indicator		Power / Link / ACT	
Connectors	Alarm		4 Pin Terminal Block
	Power		3 Pin Terminal Block
	Ethernet		RJ-45
	Analog Video		1.0 Vp-p / 75Ω, BNC
	RS-485		D+, D-
Audio		Stereo Phone Jack, Ø 3.5 mm	

General	
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Humidity	10% ~ 90%, No Condensation
Dimension	3x- 165.0 x 80.0 x 52.4 mm (L x W x H) 18x- 183.3 x 80.2 x 52.4 mm (L x W x H)
Weight	3x- 300 g (0.66 lb) 18x- 450 g (1.0 lb)
Power Source	DC 12V / AC 24V / PoE
Power Consumption	TBD
Regulatory	CE / FCC / RoHS