

CAMERA	
Image Sensor	1/2.8" Sony CMOS Sensor, IMX335
Total Pixels	2704 (H) x 2104 (V) = 5.69 MP
Effective Pixels	2592 (H) x 1944 (V) = 5.03 MP
Scanning Mode	Progressive Scan
Minimum Illumination	Color: 0.1 Lux B&W: 0.01 Lux IR LED On: 0 Lux
S/N Ratio	More than 50dB (AGC off)
LENS & IR LED	
Lens Type	Motorized Varifocal Lens
Focal Length	2.7–13.5mm
Aperture Ratio	F1.4
IR LED	-
CAMERA FUNCTIONS	
Wide Dynamic Range	Digital WDR
Day and Night Mode	Automatic, Day, Night, External Sync
Noise Reduction	2D-NR, 3D-NR
Auto Exposure Mode	Automatic, Manual
Shutter Speed Control	1/100,000 – 1/2 sec
Gain Control	1 – 50
Auto White Balance	Automatic, Outdoor, Shade, Clear sky, Fluorescent light, Light bulb, Manual
Digital Zoom	Up to 12x
On Screen Display	On / Off
BLC	On / Off
HLC	On / Off
Image effect	Mirror, Flip
Privacy Mask	Up to 8 Areas Selection
Tamper	On / Off
Video Motion Detection	Up to 4 Areas Selection
SD Card	SDHC / SDXC
NETWORK	
Video Compression	H.264 / H.265 / MJPEG
Video Resolution	2592 x 1944, 2560 x 1920, 2048 x 1536, 1920 x 1440, 1600 x 1200, 1280 x 960, 800 x 300 480 x 360
Video Frame Rate	2592 x 1944 @ Up to 30 fps
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 – 10 sec, 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 Upgrader	Using Web Browser
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS
Max. User Connection	10 Users
Ethernet	RJ-45 (10/100 Base-T)
GENERAL	
Power Source	DC 12V (+/-) 10%, PoE IEEE802.3af, Class3
Power Consumption	IR LED Off: 240mA / IR LED On: 530mA
Operating Temperature	-10°C – +50°C / 0% – 90% RH
Dimensions	Ø143.5mm x 105.5mm (H)