

Overview

- 1/3.2" Progressive Scan CMOS
- 4 megapixel resolution
- Day and night function with mechanical IR cut filter
- Minimum illumination 0.05 lux at F1.4
- 18x Zoom
- Built-in f4.7-84.6 mm / f1.6 megapixel iris zoom lens
- 8 FPS at 2032 x 1920 resolution
- Selectable H.264, MPEG-4 SP, MJPEG compressions with dual streaming
- Serial port for external pan & tilt scanner
- 2D+3D Digital noise reduction
- Weatherproof IP66 rated casing
- Powered by PoE Class 3 / DC 12V
- Video Insight VMS license included



Technical Specifications

Camera

Image Sensor:	Progressive Scan CMOS
Sensor Size:	1/3.2" (4.5 x 3.4 mm)
Day/Night	Yes
Min. Illumination:	Color: 0.1 lux at F1.6 (30 IRE, 2400°K); B/W: 0 lux (IR LED on)
Color to B/W Switch:	ISP based, configurable
Mechanical IR Cut Filter:	Yes
IR Sensitivity Range:	700 - 1100 nm
Electronic Shutter:	Manual mode: 1/25 - 1/2000 sec. (50Hz); 1/15 - 1/2000 sec. (60Hz) Auto mode: 1 - 1/2000 sec.

Lens

Focal Length / Aperture:	Zoom, f4.7 - 84.6 mm / F1.6 - F2.8
Zoom Ratio:	18x optical
Zoom Speed:	2.63 sec (1x to 18x)
Iris:	DC Iris
Focus:	Auto focus
Mount Type:	Board mount
Horizontal Viewing Angle:	48.94° - 3.61°

Video

Compression:	MJPEG / MPEG-4 / H.264
Maximum Frame Rate: H.264 & MJPEG	8 FPS(2032 x 1920), 15 FPS(1920 x 1080 HD 1080p), 30 FPS(1280 x 720 HD 720p), 30 FPS (640 x 480 VGA)
Maximum Frame Rate vs. Resolution: MPEG-4 SP	8 FPS(2032 x 1920), 10 FPS(1920 x 1080 HD 1080p), 24 FPS(1280 x 720 HD 720p), 30 FPS (640 x 480 VGA)
4 Cropped VGA Mode: (All Compressions)	15 FPS(640 x 480 VGA)

Technical Specifications

Bit Rate Mode:	Constant, Variable
Image Enhancement:	SDR (Superior Dynamic Range); White balance: automatic, hold and manual; Brightness; Contrast; Automatic gain control; 2D+3D Digital noise reduction; Flickerless; Defogging
Privacy Mask:	4 configurable regions
Text Overlay:	User defined text on video
Image Orientation:	Image flip and mirror
Audio	
Compression:	8 kHz. Mono, PCM, 16 bit encoding
Audio In:	3.5mm Phone Jack
Audio Out:	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, SNMP, HTTPS, FTP, 802.1x, Qos (SIP, SRTP, IPv6 optional)
Network	
Protocol & Service:	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour, Pelco-D
Ethernet Port:	1, Ethernet (10/100 Base-T), RJ-45 connector
Security:	IP address filtering; HTTPS encryption; Password protected user levels; IEEE 802.1X network access control
Alarm	
Alarm Trigger:	Video motion detection 3 regions in single view mode, External device through digital input
Interface	
Digital Input:	2, terminal block
Digital Output:	2, terminal block
Local Storage:	MicroSD / MicroSDHC memory card slot (card not included) DC 12V / 11.52 W (IR on)
General	
Power Source / Consumption:	PoE Class 3 (IEEE802.3af) / 9.12 W (IR on)
Environmental Casing:	Weatherproof (IP66 rated)
Operating Temperature:	Max. 5.5W (ICR on: Max8.5W)
Operating Humidity:	10% ~ 85% RH
Dimensions:	4.50" x 5.10" x 7.70"
Weight:	2.98 lb.