

Preliminary



- 4 Megapixel resolution with 1561 TV lines
- Day and night function with mechanical IR cut filter
- 4 x optical zoom
- Built-in 3.3-12 mm / F1.4 Megapixel P-iris zoom lens
- Selectable H.264, MPEG-4 SP, MJPEG compressions with dual streaming
- Up to 4 cropped regions as independent channels

Device	Device Type	Fixed Dome Camera
	Image Sensor	OmniVision BSI Progressive Scan CMOS
	Sensor Size	1/3.2 " (4.5 x 3.4 mm)
	Horizontal Resolution	1373 TVL
	Day / Night	Yes
	Minimum Illumination	Color: 0.1 lux at F1.4 B/W: 0.05 lux at F1.4
	Color to B/W switch	ISP based switch, configurable
	Mechanical IR Cut Filter	Yes
	IR Sensitivity Range	700 - 1100 nm
	IR LED	No
	Electronic Shutter	1/25 - 1/2000 sec (50Hz); 1/15 - 1/2000 sec (60Hz) (manual mode) 1 - 1/2000 sec (auto mode)
Lens	Focal Length	Zoom, f3.3 - 12mm / F1.4 - 2.9
	Zoom Ratio	4x optical
	Zoom Speed	2 sec (1x to 4x)
	Iris	P-Iris
	Focus	Auto Focus
	Mount Type	Board Mount
	Horizontal Viewing Angle	77.22° - 22.62°
	Viewing Angle Adjustment	Pan: 0° - 360°; Tilt: 0° - 180°; Rotate: 0° - 360°
Video	Compression	H.264, MPEG-4 , MJPEG
	Maximum Frame Rate vs. Resolution (H.264, MJPEG)	8 fps at 2032 X 1920 15 fps at 1920 X 1080 30 fps at 1280 x 720 30 fps at 640 x 480
	Maximum Frame Rate vs. Resolution (MPEG-4 SP)	5 fps at 2032 X 1920 10 fps at 1920 X 1080 24 fps at 1280 x 720 30 fps at 640 x 480
	4 Cropped VGA Mode (All Compressions)	15 fps at 640 x 480
	Multi-Streaming	Simultaneous dual streams based on two configurations in single view mode; Multiple streams based on single configuration in 4 cropped VGA mode
	Bit Rate	28 Kbps - 6Mbps (per stream)
	Bit Rate Mode	Constant, Variable
	S/N Ratio	More than 65dB
	Image Enhancement	Backlight compensation; White balance: automatic, hold and manual; Brightness, contrast; Automatic gain control; Digital noise reduction; Flickerless
	Privacy masks	4 configurable regions
	Text Overlay	User defined text on video
	Image Orientation	Image flip and mirror
Audio	Audio	2-way
	Compression	8 kHz, Mono, PCM, 16 bit encoding
	Audio-In	Terminal block
	Audio-Out	Terminal block
Network	Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP
	Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
	Security	IP address filtering; HTTPS encryption; Password protected user levels
Alarm	Alarm Trigger	Video motion detection 3 regions in single view mode, 1 region each in 4 cropped VGA mode; External device through digital input
	Alarm Response	Notify control center; Go to Zoom preset point or preset tour; Change camera settings; Command other devices; E-mail notification with snapshots; Upload video, snapshot to FTP server; Activate external device through digital output
Interface	Digital Input	2, TTL, terminal block
	Digital Output	2, TTL, terminal block
	Serial Port	RS-485, RS-422, terminal block
	Local Storage	MicroSD/SDHC memory card slot (card not included)
General	Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 8.64W DC 12V / 7.54W
	Weight	1200g (2.65lb)
	Dimensions (Φ x H)	151.69 mm x 114.9 mm (5.97" x 4.52")
	Environmental Casing	Weatherproof (IP66 rated); Transparent vandal proof dome cover, up to 659.23 kgF (1453.35 lbF)
	Mount Type	Surface, Pendant, Wall, Corner, Pole, Flush
	Operating Temperature	-20°C ~ 50°C (-4 °F ~ 122 °F)
	Approvals	CE, FCC, IP66
Integration	Unified Solution	Fully compatible with ACTi software
	ISV Integration	Software Development Kit (SDK) available
	Firmware Access Browser	Microsoft Internet Explorer 6.0 or newer