



KEY BENEFITS

- SUPPORT INTELLIGENT FUNCTIONS
- 3D AND 2D DIGITAL NOISE RE-
- SUPPORTS WDR ENHANCEMENT IN BRIGHT AND DARK ENVIRONMENTS
- POWER OVER ETHERNET /
- IK10 / IP66
- OPEN COMPATIBILITY
- SCENE ANALYTICS ENHANCED BY UNIQUE FEATURES

- H.264 (HIGH/MAIN/BASELINE PROFILE) M-JPEG VIDEO CODEC

SPECIFICATIONS

GENERAL	
Sensor	1/2.8" Sony Exmor CMOS Sensor
RAM	256M
CPU	ARM 9, 32-Bit RISC
Flash	16M
Resolution	1920x1080@60fps, 1280x720@60fps, 640x480@60fps, 320x240@60fps, 176x144@60fps
Compression	H.264 / M-JPEG / MPEG4
Video Out	Yes
Video Adjust	Brightness, Contrast, Hue, Saturation, Sharpness, AGC, Shutter Time, WDR, Flip, Mirror, Day&Night adjustable, White Balance, Denoise
Min. Illumination	Color : 0.01 Lux (AGC ON) B / W: 0.005 Lux (AGC ON) & 0.0 LUX (IR ON)
Power over Ethernet	Yes
Audio Format	G.711 audio compression
2-Way Communication	Supported (requires speaker, & mic. not included)
Microphone Input	Yes
Speaker Output	Yes
Trigger Activity	eMail, FTP, Save to SD, scheduled, SAMBA
Recording Trigger	Motion Detection, IP check, Network break down (wire only), Schedule, DI
Suggested Hardware	Intel Dual Core 1.66G, 1G RAM, 128M Graphics Memory Card
Minimum Hardware	Intel-C 2.8G, 512M RAM, 64M Graphics Memory Card
Privacy mask	Yes, 3 zones
Full Screen Monitoring	Yes
Snapshot & Zoom	Yes
User Adjustments	Brightness, Contrast, Sharpness, BLC, Night Mode
Alarm Input	Yes
Relay Outputs	N.O. & N.C.

LENS	
Focal Length	Vari-focus Lens 3~9mm @ F1.8
Angle of View	28° ~ 103° (H) 15° ~ 52° (V)
Shutter Speed	1/5 to 1/10,000 sec.
Infrared System	Automatic, 18 IR LEDs (850nm), up to 30' range
IR Range-coverage	20 (meters) 66 (feet)
NETWORK	
Compatibility	Open Compatibility
Network Protocol	IPv6, IPv4, HTTP, HTTPS, SNMP, QoS/DSCP, Access list, IEEE 802.1X, RTSP, TCP/ IP, UDP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP, SAMBA, Bonjour
Bitrate Adjust	CBR, VBR
Ethernet	10/ 100 Base-T
SYSTEM	
Triple Streaming	Yes
Alarm In/Out	1 input, 1 relay output
Pre/Post Alarm	Yes, configurable
Security	Password protect, IP filter, HTTPS encryption, 802.1X port-based authentication for network protection, QoS/DSCP
Firmware Upgrade	Remote, using HTTP mode
Motion Detection	Yes, 3 zones
Connections	Up to 10 simultaneous connections
Reset Button	Yes, reset to factory configuration
Client Viewing Requirements	WIN XP, VISTA, or 7 MS Internet Explorer 6+
WEIGHT AND DIMENSIONS (PHYSICAL)	
Case	Anti-vandal tough metal construction, dome built to withstand heavy blows, protected cable routing, hardened aluminum alloy
Weight	1.22(kg) 2.7 (pounds)
Height & Width	5.5" wide at base, 5.1" tall
POWER	
Power	12VDC (4.2W, 5.3W with IR on) POE
Operating Temp	-10°C ~ 50 °C
Relative Humidity	Operation CONDITIONS 20%~ 90% RH
Approval Certifications	FCC, CE, UL, IP66, IK10