



## CMOS Network Camera

**CAM438 / CAM438W**

- ▶ MPEG4 / MJPEG Dual codec compression
- ▶ MPEG4 / MJPEG Dual streaming
- ▶ 30FPS@640x480
- ▶ 2-way audio
- ▶ 3GPP for monitoring via 3G mobile phone
- ▶ Optional Wireless (CAM438W)
- ▶ Free 36CH recording software

**Specification****Hardware**

CPU	ARM 9, 32 bit RISC
RAM	32MB
ROM	8MB
Image Sensor	1/4" CMOS
Lens	Board Lens, Focal length 4 mm, F2.0
Sensitivity	1.5 lux
Audio In	Built-in microphone
Audio Out	3.5 mm headphone jack
Power Supply	DC 12V, 1A
Dimensions	W59 x H93.7 x D45.5 mm

**Network**

Ethernet	10/ 100 Base-T
Wireless	802.11b/g (CAM438W)
	WPA-PSK, WEP 64/ 128 bit
Network Protocol	HTTP, TCP/IP, RTP/RTSP, 3GPP, NTP, SMTP, FTP, PPPoE, DHCP, DDNS, UPnP

**Client Requirements**

OS	Windows 2000, XP, 2003, IE6.0
Suggested	Intel-C 2.0G, RAM: 512MB, Graphic card: 64MB

**System**

Video Resolution	640x480, 320x240, 160x120
Compression Format	MPEG-4 / MJPEG
Frame Rate	Up to 30 FPS
Video Bitrate Adjust	CBR, VBR
Dual Streaming	Yes
3GPP	Yes, Live view with 3G mobile phone
Image Snapshot	Yes
Video Adjust	Brightness, Contrast, Saturation, Sharpness, Exposure, AGC, BLC, Night Mode
Motion Detection	Yes, 3 different areas
Pre/ Post Alarm	Yes, configurable
Security	Password protection
Connection	Up to 10 clients simultaneously
Firmware Upgrade	HTTP mode, remotely
Audio	Yes, 2-way

**Event System**

Event Trigger	Motion Detection
Trigger Actions	Send Email, Send to FTP

**Package List**

CAM438 Camera, Power Adapter, Ethernet Cable, Stand, Screws, Antenna (CAM438W), CD-ROM, Quick Installation Guide