

Low-cost network camera for surveillance purpose

# FlexWATCH® 1120

Network Camera



FW-1120 is the  
low-cost network  
camera  
which is designed  
for IP surveillance

## Model No : FW-1120

### 1/4" Progressive scan CMOS sensor

Progressive scan gives better image than CCTV camera when it comes to moving object

### M-JPEG support

M-JPEG gives much less delay than MPEG-4  
So M-JPEG is more suitable for surveillance purpose.

### 256-channel recording software

FlexWATCH Manager is a NVR software with matrix functionality which can manage 256 channel. It support FW-1120, so user can create monitoring center easily and manage it scalable way. (9ch freeware available, 16/25/36/64/128/256ch sold separately)

### 16-channel embedded NVR

FlexWATCH also provide embedded NVR; FW-5000. With FW1120 and FW-5450, you can have more flexible recording system than DVR.

### Optimized for indoor, normal light

The low light performance and image settings such as BLC (Back Light Compensation) on a low-cost network camera may not meet user's demand often. Instead of unfocused development, we concentrate on indoor, normal light image quality. In consequence, FW-1120 could get superior image quality than any other low-cost products within 4 ~ 10,000 lux.

### SDK

Almost low-cost network camera does not support SDK for system integration. But SDK is also an important factor to be a surveillance device. We provide SDK for FW-1120 as other FlexWATCH series.

### Network Decoder

Many professional IP surveillance solutions provide decoder to keep the investment on legacy analog CCTV system. With this decoder, user can see images from network camera on analog monitor.

# Technical Specifications (FlexWATCH® 1120 Network Camera)

<b>Video compression</b>	M-JPEG	<b>Installation and maintenance</b>	Configuration : installation wizard, HTTP, telnet and console Upgrade firmware : HTTP, telnet & ftp (Firmware is available at <a href="http://www.flexwatch.com">www.flexwatch.com</a> )
<b>Compression Level</b>	6 levels (low compression / highest / high / normal / low / lowest)	<b>Misc.</b>	Date and time can be synchronized with an external NTP server
<b>Resolution</b>	640x480 (VGA) 320x240 160x120	<b>System hardware</b>	32bit RISC Processor / Embeded Linux / 32MByte SDRAM / 4MByte Flash 32~122 F (0~50 C), 20~80% RH
<b>Live Casting</b>	Up to 30 fps @ 320x240 when simplex	<b>Approvals</b>	MIC, FCC, CE, RoHS
<b>Network through-put control</b>	Frame rate control	<b>Accessories &amp; Power</b>	CD with installation wizard / User's manual / Quick installation manual / SMPS / Power cord / LAN cable / Mounting brackets Power Supply - SMPS 12V (800mA) [AC100~240V, 50/60Hz] Power Consumption - DC12V, 350mA
<b>UART support</b>	Console	<b>Connectors</b>	10/100 BaseT Ethernet (auto-sensing) 1 opto-coupled inputs or 1 digital inputs 1 relay outputs Reset button for factory default 1 serial port (COM: RS-232)
<b>Alarm management</b>	[Trigger] Sensor input [Service] Notification service through E-mail / alarm output	<b>Image sensor</b>	1/4 inch optical format CMOS type (progressive scan) Sensitivity : 1500 mV/lux.sec MAX Active pixel resolution: 652x488 S/N ratio: 46dB White Balance: AWB
<b>Dynamic IP support</b>	AOIP™ (Always On-IP, <a href="http://www.aoip.co.kr">http://www.aoip.co.kr</a> )	<b>Lens</b>	FOCAL LENGTH : 4.3mm BACK FOCAL LENGTH : 6.3mm APERTURE : F2.0 ANGLE OF VIEW : 78°, 61° (Diagonal)
<b>Security</b>	Adminstrator authority / user authority	<b>Minimum illumination</b>	4 ~ 10,000 Lux
<b>Software (default Web interface)</b>	Live-cast through Web browser (Minimum PC requirement - XP, 2000, Vista / IE 6.x or later / Pentium III 500 MHz or above or equivalent AMD / 64MByte RAM or above)	<b>Image settings</b>	Image flip (vertical)
<b>Software (FW-Manager 3.xx)</b>	Supports 16, 25, 36, 64, 128 & 256 ch (sold separately, 9ch freeware available) Full-featured PC NVR with matrix functionality (Minimum PC requirement - XP, 2000 / Pentium IV 1.6GHz or above / 256MByte RAM or above / 64MByte video memory or above / CDROM	<b>Dimension</b>	90(W) x 136(D) x 40(H) (in mm)
<b>System integration features</b>	[Protocol] HTTP, TCP/IP, ARP, ICMP, Telnet, Ftp, PPPoE, SMTP, DHCP, NTP [SDK] Open HTTP API / ActiveX for live-cast [Service] Notification service	<b>Weight</b>	170g (0.37 lbs)



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