

FlexWATCH

Selection Guide



Model Name	FW1170-VO	FW1173-DS	FW1173-MS	FW1173-FS	FW1174-VC	FW1174-MC
Image Sensor	1/4" optical CMOS	1/3" 410 K CCD 560 TV line	1/3" 1.3M progressive scan MOS	1/2.8" 3.2M progressive scan CMOS	1/4" optical CMOS	1/3" 1.3M progressive scan MOS
Camera Type	BOX Camera Type	BOX Camera Type	BOX Camera Type	BOX Camera Type	Mini Dome Type	Mini Dome Type
Outdoor Use	indoor only	with outdoor housing	with outdoor housing	with outdoor housing	Indoor only	Indoor only
Lens	4.3mm F2.0 fixed	-	-	-	3.6mm F1.8 fixed	3.7mm F2.0 megapixel fixed
Min. illumination/	Color 0.5 Lux at F2.0 BW 0.01 Lux at F2.0	Color 0.15 Lux at F1.2 BW 0.002 Lux at F1.2	Color 0.1 Lux at F1.0 BW 0.001 Lux at F1.0	Color 0.3 Lux at F1.2 BW 0.002 Lux at F1.2	Color 0.5 Lux at F1.8 BW 0.01 Lux at F1.8	1 Lux at F2.0
Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
Video Standard	ONVIF/PSIA	ONVIF/PSIA	ONVIF/PSIA	ONVIF/PSIA	ONVIF/PSIA	ONVIF/PSIA
Max Streaming Speed	Max 30 fps @ VGA	Max 30 fps @ D1	Max 30fps @ 1280X1024	Max 30fps @ 1920X1080	Max 30 fps @ VGA	Max 30 fps @ 1280X1024
Audio Support	2 way	2 way	2 way	2 way	-	-
Audio Compression	8bit PCM, 8Khz , 8KByte/sec	8bit PCM, 8Khz , 8KByte/sec	8bit PCM, 8Khz , 8KByte/sec	8bit PCM, 8Khz , 8KByte/sec	-	-
Video in/Out	built-in V in	built-in V in composite V out	built-in V in	built-in V in	-	-
Audio in/Out	built-in Mic. / 1 out	1 in / 1 out	1 in / 1 out	1 in / 1 out	(optional)	(optional)
Alarm in/Out	1 DI / 1 DO	1 DI / 1 DO	1 DI / 1 DO	1 DI / 1 DO	(optional)	(optional)
Serial port	COM USB 2.0 for wireless	COM/RS-485 USB 2.0 for wireless	COM/RS-485 USB 2.0 for wireless	COM/RS-485 USB 2.0 for wireless	COM/RS-485	COM/RS-485
LAN Interface	10/100-base-T (PoE) Optional WIFI(802.11g)	10/100-base-T (PoE) Optional WIFI(802.11g)	10/100-base-T (PoE) Optional WIFI(802.11g)	10/100-base-T (PoE) Optional WIFI(802.11g)	10/100-base-T (built-in PoE) Optional External PoE	10/100-base-T (built-in PoE) Optional External PoE
Rate Control	VBR/CBR (H.264, 32k~12Mbps)	VBR/CBR (H.264, 32k~12Mbps)	VBR/CBR (H.264, 32k~12Mbps)	VBR/CBR (H.264, 32k~12Mbps)	VBR/CBR (H.264, 32k~12Mbps)	VBR/CBR (H.264, 32k~12Mbps)
Network Protocol	HTTP, RTP/RTSP, TCP/IP, FTP, Telnet, RARP, PPPoE, PAP, CHAP, DHCP, SMTP client(e- mail), NTP and etc	HTTP, RTP/RTSP, TCP/IP, FTP, Telnet, RARP, PPPoE, PAP, CHAP, DHCP, SMTP client(e- mail), NTP and etc	HTTP, RTP/RTSP, TCP/IP, FTP, Telnet, RARP, PPPoE, PAP, CHAP, DHCP, SMTP client(e- mail), NTP and etc	HTTP, RTP/RTSP, TCP/IP, FTP, Telnet, RARP, PPPoE, PAP, CHAP, DHCP, SMTP client(e- mail), NTP and etc	HTTP, RTP/RTSP, TCP/IP, FTP, Telnet, RARP, PPPoE, PAP, CHAP, DHCP, SMTP client(e- mail), NTP and etc	HTTP, RTP/RTSP, TCP/IP, FTP, Telnet, RARP, PPPoE, PAP, CHAP, DHCP, SMTP client(e- mail), NTP and etc
Viewer	IE6, Firefox, Safari, etc CMS, QuickTime	IE6, Firefox, Safari, etc CMS, QuickTime	IE6, Firefox, Safari, etc CMS, QuickTime	IE6, Firefox, Safari, etc CMS, QuickTime	IE6, Firefox, Safari, etc CMS, QuickTime	IE6, Firefox, Safari, etc CMS, QuickTime
Remote Admin.	Web based Control/ Upgrade	Web based Control/ Upgrade	Web based Control/ Upgrade	Web based Control/ Upgrade	Web based Control/ Upgrade	Web based Control/ Upgrade
Advanced Service	e-mail / ftp alarm buffering event notification	e-mail / ftp alarm buffering event notification	e-mail / ftp alarm buffering event notification	e-mail / ftp alarm buffering event notification	e-mail / ftp alarm buffering event notification	e-mail / ftp alarm buffering event notification
Dynamic IP	DDNS/uPnP support	DDNS/uPnP support	DDNS/uPnP support	DDNS/uPnP support	DDNS/uPnP support	DDNS/uPnP support
Motion Detection	Optional PIR Sensor	H/W Detection	H/W Detection	H/W Detection	H/W Detection	H/W Detection
Security	multilevel password channel-wise privilege	multilevel password channel-wise privilege	multilevel password channel-wise privilege	multilevel password channel-wise privilege	multilevel password channel-wise privilege	multilevel password channel-wise privilege
Certification	KCC/FCC/CE, RoHS	KCC/FCC/CE, RoHS	KCC/FCC/CE, RoHS	KCC/FCC/CE, RoHS	KCC/FCC/CE, RoHS	KCC/FCC/CE, RoHS
Working Condition	0°C ~ +50°C / 20% ~ 80% RH	0°C ~ +50°C / 20% ~ 80% RH	0°C ~ +50°C / 20% ~ 80% RH	0°C ~ +50°C / 20% ~ 80% RH	0°C ~ +50°C / 20% ~ 80% RH	0°C ~ +50°C / 20% ~ 80% RH
Power Supply	SMPS, DC 12V/1A AC 100/240V, 50/60HZ, 300mA	SMPS, DC 12V/1A AC 100/240V, 50/60HZ, 300mA	SMPS, DC 12V/1A AC 100/240V, 50/60HZ, 300mA	SMPS, DC 12V/1A AC 100/240V, 50/60HZ, 300mA	SMPS, DC 12V/1A AC 100/240V, 50/60HZ, 300mA	SMPS, DC 12V/1A AC 100/240V, 50/60HZ, 300mA
Size/Weight	64(W) x 113(H) x 47(D) (in mm) About 0.160Kg w/o SMPS	70(W) x 108(D) x 66(H) (in mm) About 0.372Kg w/o SMPS	70(W) x 108(D) x 66(H) (in mm) About 0.372Kg w/o SMPS	70(W) x 108(D) x 66(H) (in mm) About 0.372Kg w/o SMPS	95pi x 70(H) (in mm) About 0.190Kg w/o SMPS	95pi x 70(H) (in mm) About 0.190Kg w/o SMPS

Box Type Network Camera

- FW1170-VO
- FW1173-DS
- FW1173-MS
- FW1173-FS

Dome Type Network Camera

- FW1174-VC
- FW1174-MC

- FW1175-DS
- FW1175-MS
- FW1175-FS
- FW1176-DS
- FW1176-MS
- FW1176-FS

- FW1177-DE
- FW1178-PE

Bullet Type Network Camera

- FW1179-MS

Network Video Server

- FW3170
- FW3470
- FW3870

Network Video Recorder

- FW5071
- FW5072
- FW5470
- FW5870

CMS S/W , Server S/W & TOOL

- SmartNVR
- Multi Viewer/Player
- ISENS2.0
- IP Installer

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Network Camera (Vandal Dome / Plastic Dome)



Model Name	FW1175-DS	FW1175-MS	FW1175-FS	FW1176-DS	FW1176-MS	FW1176-FS
Image Sensor	1/3" 410 K CCD 560 TV line	1/3" 1.3M progressive scan MOS	1/2.8" 3.2M progressive scan CMOS	1/3" 410 K CCD 560 TV line	1/3" 1.3M progressive scan MOS	1/2.8" 3.2M progressive scan CMOS
Camera Type	Vandal Proof Dome Camera Type	Vandal Proof Dome Camera Type	Vandal Proof Dome Camera Type	Plastic Dome Camera Type	Plastic Dome Camera Type	Plastic Dome Camera Type
Outdoor Use	IP66, outdoor, Vandal Proof	IP66, outdoor, Vandal Proof	IP66, outdoor, Vandal Proof	Indoor Only	Indoor Only	Indoor Only
Lens	2.8-10.5mm F1.2 fixed, varifocal, auto IRIS	3.6-16.0mm F1.2 megapixel fixed, varifocal, auto IRIS	2.8-10.0mm F1.2 2megapixel fixed, varifocal, auto IRIS	2.8-10.5mm F1.2 fixed, varifocal, auto IRIS	3.6-16.0mm F1.2 megapixel fixed, varifocal, auto IRIS	2.8-10.0mm F1.2 2megapixel fixed, varifocal, auto IRIS
Min. illumination/	Color 0.15 Lux at F1.2 BW 0.002 Lux at F1.2	Color 0.5 Lux at F1.2 BW 0.02 Lux at F1.2	Color 2 Lux at F1.2 BW 0.01 Lux at F1.2	Color 0.15 Lux at F1.2 BW 0.002 Lux at F1.2	Color 0.5 Lux at F1.2 BW 0.02 Lux at F1.2	Color 2 Lux at F1.2 BW 0.01 Lux at F1.2
Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
Video Standard	ONVIF/PSIA	ONVIF/PSIA	ONVIF/PSIA	ONVIF/PSIA	ONVIF/PSIA	ONVIF/PSIA
Max Streaming Speed	Max 30 fps @ D1	Max 30 fps @ 1280x1024	Max 30 fps @ 1920x1080	Max 30 fps @ D1	Max 30 fps @ 1280x1024	Max 30 fps @ 1920x1080
Audio Support	2 way	2 way	2 way	2 way	2 way	2 way
Audio Compression	8bit PCM, 8KHz , 8KByte/sec	8bit PCM, 8KHz , 8KByte/sec	8bit PCM, 8KHz , 8KByte/sec	8bit PCM, 8KHz , 8KByte/sec	8bit PCM, 8KHz , 8KByte/sec	8bit PCM, 8KHz , 8KByte/sec
Video in/Out	built-in V in composite V out	built-in V in	built-in V in	built-in V in composite V out	built-in V in	built-in V in
Audio in/Out	1 in / 1 out	1 in / 1 out	1 in / 1 out	1 in / 1 out	1 in / 1 out	1 in / 1 out
Alarm in/Out	1 DI / 1 DO	1 DI / 1 DO	1 DI / 1 DO	1 DI / 1 DO	1 DI / 1 DO	1 DI / 1 DO
Serial port	COM/RS-485	COM/RS-485	COM/RS-485	COM/RS-485	COM/RS-485	COM/RS-485
LAN Interface	10/100-base-T (PoE)	10/100-base-T (PoE)	10/100-base-T (PoE)	10/100-base-T (PoE)	10/100-base-T (PoE)	10/100-base-T (PoE)
Rate Control	VBR/CBR (H.264, 32k~12Mbps)	VBR/CBR (H.264, 32k~12Mbps)	VBR/CBR (H.264, 32k~12Mbps)	VBR/CBR (H.264, 32k~12Mbps)	VBR/CBR (H.264, 32k~12Mbps)	VBR/CBR (H.264, 32k~12Mbps)
Network Protocol	HTTP, RTP/RTSP, TCP/IP, FTP, Telnet, RARP, PPPoE, PAP, CHAP, DHCP, SMTP client(e-mail), NTP and etc	HTTP, RTP/RTSP, TCP/IP, FTP, Telnet, RARP, PPPoE, PAP, CHAP, DHCP, SMTP client(e-mail), NTP and etc	HTTP, RTP/RTSP, TCP/IP, FTP, Telnet, RARP, PPPoE, PAP, CHAP, DHCP, SMTP client(e-mail), NTP and etc	HTTP, RTP/RTSP, TCP/IP, FTP, Telnet, RARP, PPPoE, PAP, CHAP, DHCP, SMTP client(e-mail), NTP and etc	HTTP, RTP/RTSP, TCP/IP, FTP, Telnet, RARP, PPPoE, PAP, CHAP, DHCP, SMTP client(e-mail), NTP and etc	HTTP, RTP/RTSP, TCP/IP, FTP, Telnet, RARP, PPPoE, PAP, CHAP, DHCP, SMTP client(e-mail), NTP and etc
Viewer	IE6, Firefox, Safari, etc CMS, QuickTime	IE6, Firefox, Safari, etc CMS, QuickTime	IE6, Firefox, Safari, etc CMS, QuickTime	IE6, Firefox, Safari, etc CMS, QuickTime	IE6, Firefox, Safari, etc CMS, QuickTime	IE6, Firefox, Safari, etc CMS, QuickTime
Remote Admin.	Web based Control/ Upgrade	Web based Control/ Upgrade	Web based Control/ Upgrade	Web based Control/ Upgrade	Web based Control/ Upgrade	Web based Control/ Upgrade
Advanced Service	e-mail / ftp alarm buffering event notification	e-mail / ftp alarm buffering event notification	e-mail / ftp alarm buffering event notification	e-mail / ftp alarm buffering event notification	e-mail / ftp alarm buffering event notification	e-mail / ftp alarm buffering event notification
Dynamic IP	DDNS/uPnP support	DDNS/uPnP support	DDNS/uPnP support	DDNS/uPnP support	DDNS/uPnP support	DDNS/uPnP support
Motion Detection	H/W Detection	H/W Detection	H/W Detection	H/W Detection	H/W Detection	H/W Detection
Security	multilevel password channel-wise privilege	multilevel password channel-wise privilege	multilevel password channel-wise privilege	multilevel password channel-wise privilege	multilevel password channel-wise privilege	multilevel password channel-wise privilege
Certification	KCC/FCC/CE, RoHS, IP66	KCC/FCC/CE, RoHS, IP66	KCC/FCC/CE, RoHS, IP66	KCC/FCC/CE, RoHS	KCC/FCC/CE, RoHS	KCC/FCC/CE, RoHS
Working Condition	0°C ~ +50°C / 20% ~ 80% RH	0°C ~ +50°C / 20% ~ 80% RH	0°C ~ +50°C / 20% ~ 80% RH	0°C ~ +50°C / 20% ~ 80% RH	0°C ~ +50°C / 20% ~ 80% RH	0°C ~ +50°C / 20% ~ 80% RH
Power Supply	SMPS, DC 12V/1A AC 100/240V, 50/60HZ, 300mA	SMPS, DC 12V/1A AC 100/240V, 50/60HZ, 300mA	SMPS, DC 12V/1A AC 100/240V, 50/60HZ, 300mA	SMPS, DC 12V/1A AC 100/240V, 50/60HZ, 300mA	SMPS, DC 12V/1A AC 100/240V, 50/60HZ, 300mA	SMPS, DC 12V/1A AC 100/240V, 50/60HZ, 300mA
Size/Weight	148pi x 121(H) (in mm) About 0.940Kg w/o SMPS	148pi x 121(H) (in mm) About 0.940Kg w/o SMPS	148pi x 121(H) (in mm) About 0.940Kg w/o SMPS	148pi x 121(H) (in mm) About 0.560Kg w/o SMPS	148pi x 121(H) (in mm) About 0.560Kg w/o SMPS	148pi x 121(H) (in mm) About 0.560Kg w/o SMPS

* Above specifications can be changed without prior notice.

Network Camera (Speed Dome / Bullet IR)



Model Name	FW1177-DE	FW1178-PE	FW1179-MS
Image Sensor	1/4" 410 K Super HAD CCD 520 TV line	1/4" 410 K Super HAD CCD	1/3" 1.3M progressive scan MOS
Camera Type	High Speed Dome PTZ	Mini Speed Dome PTZ	Bullet IR
Outdoor Use	IP66, outdoor, Vandal Proof	IP66, outdoor, Vandal Proof	Indoor Only
Lens	3.5 ~ 115.5mm 33x optical, 12X digital (optional 27x / 37x)	3.8 ~ 38mm 10x optical, 10X digital	3.6-16.0mm fixed, varifocal, auto IRIS
Min. Illumination/	Color: 0.4 Lux at F1.6 D&N: 0.1 Lux at F1.6	Color 0.7 Lux, F1.8 D&N : 0.0002 Lux F1.8 (ICR)	Color 0.1 Lux at F1.0 BW 0.01 Lux at F1.0
Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
Max Streaming Speed	Max 30 fps @ D1	Max 30 fps @ D1	Max 30 fps @ 1280x1024
Audio Support	2 way	2 way	-
Audio Compression	8bit PCM, 8Khz , 8KByte/sec	8bit PCM, 8Khz , 8KByte/sec	-
Video in/Out	built-in V in composite V out	built-in V in composite V out	-
Audio in/Out	1 in / 1 out	1 in / 1 out	-
Alarm in/Out	1 DI / 1 DO	1 DI / 1 DO	-
Serial port	COM/Built-in RS485	COM/Built-in RS485	-
LAN Interface	10/100-base-T	10/100-base-T	10/100-base-T
Rate Control	VBR/CBR (H.264, 32k~12Mbps)	VBR/CBR (H.264, 32k~12Mbps)	VBR/CBR (H.264, 32k~12Mbps)
Network Protocol	HTTP, RTP/RTSP, TCP/IP, FTP, Telnet, RARP, PPPoE, PAP, CHAP, DHCP, SMTP client(e- mail), NTP and etc	HTTP, RTP/RTSP, TCP/IP, FTP, Telnet, RARP, PPPoE, PAP, CHAP, DHCP, SMTP client(e- mail), NTP and etc	HTTP, RTP/RTSP, TCP/IP, FTP, Telnet, RARP, PPPoE, PAP, CHAP, DHCP, SMTP client(e- mail), NTP and etc
Viewer	IE6, Firefox, Safari, etc CMS, QuickTime	IE6, Firefox, Safari, etc CMS, QuickTime	IE6, Firefox, Safari, etc CMS, QuickTime
Remote Admin.	Web based Control/ Upgrade	Web based Control/ Upgrade	Web based Control/ Upgrade
Advanced Service	e-mail / ftp alarm buffering event notification	e-mail / ftp alarm buffering event notification	e-mail / ftp alarm buffering event notification
Dynamic IP	DDNS/uPnP support	DDNS/uPnP support	DDNS/uPnP support
Motion Detection	H/W Detection	H/W Detection	H/W Detection
Security	multilevel password channel-wise privilege	multilevel password channel-wise privilege	multilevel password channel-wise privilege
Certification	KCC/FCC/CE, RoHS,IP66	KCC/FCC/CE, RoHS,IP66	KCC/FCC/CE, RoHS,IP66
Working Condition	0°C ~ +50°C / 20% ~ 80% RH	0°C ~ +50°C / 20% ~ 80% RH	0°C ~ +50°C / 20% ~ 80% RH
Power Supply	SMPS, DC 24V/1.5A AC 100/240V, 1A	SMPS, DC 24V/1.5A AC 100/240V, 1A	SMPS, DC 12V/3A AC 100/240V, 50/60HZ, 1.2A
Size/Weight	216.8pi x 289.2(H) (in mm) About 5.50Kg w/o SMPS	165pi x 101.5(H) (in mm) About 2.40Kg w/o SMPS	92.8pi x 235.8(L) x 125.8(H) (in mm) About 1.10Kg w/o SMPS

Network Video Server



Model Name	FW3170	FW3470	FW3870
Camera Interface	Composite(NTSC/PAL)	Composite(NTSC/PAL)	Composite(NTSC/PAL)
Analog Input	1ch	4ch	8ch
IP stream relay	N.A.	12ch IP stream	8ch IP stream
Video encoding mode	Progressive mode	Interlace mode	Interlace mode
Video Compression	H.264 / MJPEG multivendor stream support	H.264 / MJPEG multivendor stream support	H.264 / M-JPEG multivendor stream support
Max streaming speed	Max 30 fps @ D1	Max 120 fps @ D1	Max 120 fps @ D1
Audio Support	2 way	2 way	2 way
Audio Compression	8bit PCM, 8Khz , 8KByte/sec	4bit G.723, 8Khz , 6KByte/sec	4 bit G.723 , 8Khz , 6KByte/sec
Rack mountable	N.A.	Optional Rack Mountable	Optional Rack Mountable
Video in/Out	1 in / 1 out	4 in / 1 Quad Out	8 in / 1 Multiplexed Out
Audio in/Out	1 in / 1 out	4 in / 1 out	8 in / 1 out
Alarm in/Out	1 DI / 1 DO	4 DI / 4 DO	8 DI / 8 DO
Serial port	RS-232C/RS-485	RS-232C/RS-485	RS-232C/RS-485
LAN Interface	10/100-base-T	10/100/1000-base-T	10/100/1000-base-T
Rate Control	VBR /CBR (H.264, 32k~12Mbps)	VBR / CBR (H.264, 32k~12Mbps)	VBR / CBR (H.264, 32k~12Mbps)
Network Protocol	HTTP, RTP/RTSP, TCP/IP, FTP, Telnet, RARP, PPPoE, PAP, CHAP, DHCP, SMTP client(e- mail), NTP and etc	HTTP, RTP/RTSP, TCP/IP, FTP, Telnet, RARP, PPPoE, PAP, CHAP, DHCP, SMTP client(e- mail), NTP and etc	HTTP, RTP/RTSP, TCP/IP, FTP, Telnet, RARP, PPPoE, PAP, CHAP, DHCP, SMTP client(e- mail), NTP and etc
Viewer	IE6, Firefox, Safari, etc CMS, QuickTime	IE6, Firefox, Safari, etc CMS, QuickTime	IE6, Firefox, Safari, etc CMS, QuickTime
Remote Admin.	Web based Administration, Setup, Control, and Upgrade	Web based Administration, Setup, Control, and Upgrade	Web based Administration, Setup, Control, and Upgrade
Advanced Service	e-mail / ftp alarm buffering event notification	e-mail / ftp alarm buffering event notification	e-mail / ftp alarm buffering event notification
Dynamic IP	DDNS/uPnP support	DDNS/uPnP support	DDNS/uPnP support
Motion Detection	H/W Detection	H/W Detection	H/W Detection
Security	multilevel password channel-wise privilege	multilevel password channel-wise privilege	multilevel password channel-wise privilege
Certification	KCC/FCC/CE, RoHS	KCC/FCC/CE, RoHS	KCC/FCC/CE, RoHS
Working Condition	0°C ~ +50°C / 20% ~ 80% RH	0°C ~ +50°C / 20% ~ 80% RH	0°C ~ +50°C / 20% ~ 80% RH
Power Supply	SMPS, DC 12V/1A AC 100/240V, 300mA	SMPS, DC 12V/3A AC 100/240V, 1.5A	SMPS, DC 12V/3A AC 100/240V, 1.5A
Size/Weight	85(W) x 110(D) x 39(H) (in mm) About 0.214Kg w/o SMPS	280(W) x 224(D) x 44(H) (in mm) About 1.62Kg w/o SMPS	280(W)x224(D)x44(H) (in mm) About 1.62Kg w/o SMPS

* Above specifications can be changed without prior notice.

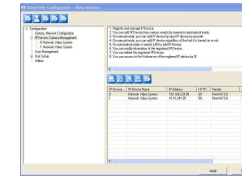
Network Video Recorder



Model Name	FW5071	FW5072	FW5470	FW5870
Max. IP Stream Proxy/Recording	16 IP Stream Channel (Multivendor IP Camera Support)	16 IP Stream Channel (Multivendor IP Camera Support)	12IP Stream Channel (Multivendor IP Camera Support)	8 IP Stream Channel (Multivendor IP Camera Support)
Analog Input	N.A.	N.A.	4 Ch	8 Ch
HDD	2TB SATA	4TB 2SATA	2TB SATA	2TB SATA
Analog Video Input Compression	no built-in Analog Video Input	no built-in Analog Video Input	H.264/MJPEG	H.264/MJPEG
IP Stream Recording	H.264/MPEG4/MJPEG multivendor stream support	H.264/MPEG4/MJPEG multivendor stream support	H.264/MPEG4/MJPEG multivendor stream support	H.264/MPEG4/MJPEG multivendor stream support
Max streaming speed	Max 120 fps @ HD	Max 120 fps @ HD	Max 120 fps @ HD	Max 120 fps @ HD
Max recording rate	Max 120 fps @ HD	Max 120 fps @ HD	Max 120 fps @ HD	Max 120 fps @ HD
Audio Support	N.A.	N.A.	2 way	2 way
Audio Compression	N.A.	N.A.	4bit G.723, 8Khz, 6KByte/sec	4bit G.723, 8Khz, 6KByte/sec
Peripheral Interface	USB2.0	USB2.0	USB2.0	USB2.0
Rack mountable	optional rack bracket	N.A.	optional rack bracket	optional rack bracket
Video in/Out	N.A.	N.A.	4 in / 1 Quad Out	8 in / 1 Multiplexed Out
Audio in/Out	N.A.	N.A.	4 in / 1 out	8 in / 1 out
Alarm in/Out	N.A.	N.A.	4 DI / 4 DO	8 DI / 8 DO
Serial port	RS-232C	RS-232C	RS-232C/RS-485	RS-232C/RS-485
LAN Interface	10/100/1000-base-T	10/100/1000-base-T	10/100/1000-base-T	10/100/1000-base-T
Rate Control	N.A.	N.A.	VBR/CBR (H.264, 32k-12Mbps)	VBR/CBR (H.264, 32k-12Mbps)
Network Protocol	HTTP, RTP/RTSP, TCP/IP, FTP, Telnet, RARP, PPPoE, PAP, CHAP, DHCP, SMTP client(e-mail), NTP and etc	HTTP, RTP/RTSP, TCP/IP, FTP, Telnet, RARP, PPPoE, PAP, CHAP, DHCP, SMTP client(e-mail), NTP and etc	HTTP, RTP/RTSP, TCP/IP, FTP, Telnet, RARP, PPPoE, PAP, CHAP, DHCP, SMTP client(e-mail), NTP and etc	HTTP, RTP/RTSP, TCP/IP, FTP, Telnet, RARP, PPPoE, PAP, CHAP, DHCP, SMTP client(e-mail), NTP and etc
Viewer	IE6, Firefox, Safari, etc CMS, QuickTime	IE6, Firefox, Safari, etc CMS, QuickTime	IE6, Firefox, Safari, etc CMS, QuickTime	IE6, Firefox, Safari, etc CMS, QuickTime
Remote Admin.	Web based Administration, Setup, Control, and Upgrade	Web based Administration, Setup, Control, and Upgrade	Web based Administration, Setup, Control, and Upgrade	Web based Administration, Setup, Control, and Upgrade
Advanced Service	event notification	event notification	e-mail / ftp/ alarm buffering event notification	e-mail / ftp /alarm buffering event notification
Dynamic IP	DDNS/uPnP support	DDNS/uPnP support	DDNS/uPnP support	DDNS/uPnP support
Motion	motion recording	motion recording	HW Detection/Recording	HW Detection/Recording
Security	multilevel password channel-wise privilege	multilevel password channel-wise privilege	multilevel password channel-wise privilege	multilevel password channel-wise privilege
Certification	KCC/FCC/CE, RoHS	KCC/FCC/CE, RoHS	KCC/FCC/CE, RoHS,IP66	KCC/FCC/CE, RoHS,IP66
Working Condition	0℃ ~ +50℃ / 20% ~ 80% RH	0℃ ~ +50℃ / 20% ~ 80% RH	0℃ ~ +50℃ / 20% ~ 80% RH	0℃ ~ +50℃ / 20% ~ 80% RH
Power Supply	SMPS, DC 12V/5A AC 100/240V, 1.5A	SMPS, DC 12V/5A AC 100/240V, 1.5A	SMPS, DC 12V/5A AC 100/240V, 1.5A	SMPS, DC 12V/5A AC 100/240V, 1.5A
Size/Weight	140(W) x 224(D) x44(H) (in mm) About 0.950Kg w/o SMPS & HDD	378(W) x 267(D) x 64(H)mm About 2.30Kg w/o SMPS & HDD	280(W) x 217(D) x 44(H)mm About 1.560Kg w/o SMPS & HDD	378(W) x 267(D) x 64(H)mm About 1.710Kg w/o SMPS & HDD

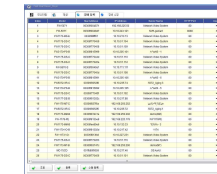
* Above specifications can be changed without prior notice.

Smart NVR



- Web based IP Video management software
- Real-time live-view, recording and playback
- Megapixel & Multi vendor camera support
- Advanced monitoring functions
- Up to 128 channels support
- POS / Serial Data / VA integration

Multi Viewer/Player



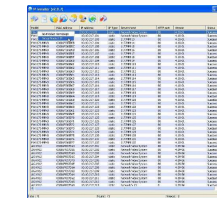
- Central Management Software for NVR
- Real-time live-view and playback
- Up to 16 devices support from different NVR

ISENS2.0



- IP surveillance Enterprise System
- Component based Management System
- Components : Scalable and Cascade Architecture - CentralDB, Active Alarm, Interactive Map, Virtual Matrix, Storage Health Checker, Composer, etc
- More than 1,000 IP channels support

IP Installer



- Search & IP Setup for FlexWATCH products
- Server, Camera setup and update by CGI
- Apply to All Functions for Easy Setup

Coming Soon !!! (Early 2012, in order of model name)

- FW1174-FC - 2M Cost-effective Mini-Dome Camera
- FW1176-MV - 1.3M Cost-effective Varifocal Mid-Dome Camera
- FW1176-FV - 2M Cost-effective Varifocal Mid-Dome Camera
- FW1177-MP - 2M High Speed PTZ Dome Camera
- FW1177-DP - D1 High Speed PTZ Dome Camera
- FW1177-DX - D1 High Speed PTZ Dome Camera
- FW1178-DP - D1 Mini Speed PTZ Dome Camera
- FW1178-DX - D1 Mini Speed PTZ Dome Camera
- FW1179-FS - 2M IR Bullet Camera
- FW1179-MC - 1.3M Cost-effective Bullet Camera
- FW1179-FC - 2M Cost-effective Bullet Camera
- FW2170 - 4ch circulation H.264/MJPEG Decoder