F520E IP Box Camera

F520E IP Box Camera is a full featured, yet cost-effective IP-based solution for professional security surveillance and remote monitoring, which makes it an ideal choice for securing offices, shops and other indoor facilities.

Superior Image Quality ▷ The F520E is equipped with a high-sensitivity progressive scan CMOS sensor and delivers crystal clear images at 30 frames per second in VGA resolution.

Simultaneous MPEG-4 and Motion JPEG ▷ MPEG-4 and Motion JPEG streams can be sent simultaneously from each channel. This allows users to have different viewing and recording settings that are optimized for image quality and efficient bandwidth/storage use.

Video motion detection ▷ F520E fixed dome IP camera provide powerful event management functions including pre/post alarm image buffering. Events can be triggered for example by video motion detection and external input devices, and responses can include image upload, alarm notifications and activation of external devices such as lights, doors or alarms.

Power over Ethernet ▷ F520E supports Power over Ethernet, allowing power to be delivered via the network, which eliminates the need for power cables and reduces installation costs.

Easy Access through Windows Live Messenger ▷ The embedded Windows Live Messenger client enables users to easily connect to the camera and view high quality video with Windows Live Messenger on their PC or Laptop anytime anywhere in the world. (Patent Pending)

Technical Specifications

Models	F520E
Image sensor	1/4" Progressive scan CMOS sensor
Lens	F1.6, 4.0 mm CS-Mount lens
Angle of view	59° diagonal
Digital Zoom	10x digital
Min Illumination	0.5 Lux
S/N Ratio	50dB
Video Compression	Motion JPEG
	MPEG-4 Part2 (ISO/IEC 14496-2), Profile: SP
Resolutions	Motion JPEG:
	3 resolutions from 640x480 to 160x120 via API,
	3 resolutions via configuration web page
	MPEG-4:
	3 resolutions from 640x480 to 160x120 via API,
	3 resolutions via configuration web page
Frame rate	Motion JPEG: Up to 15 fps at 640x480 (4:3 resolution)
	MPEG-4: Up to 30 fps at 640x480 (4:3 resolution)
Video streaming	Simultaneous Motion JPEG and MPEG-4 (Dual streaming)
	Controllable Frame rate and bandwidth
	Support Unicast and Multicast
	Support 3GPP/ISMA RTSP
	(Real Time Streaming Protocol)
Image settings	Rotation: Mirror, Flip, Mirror Flip
	brightness, contrast, saturation, hue
	Overlay capabilities: time, date, text and privacy image
Shuttle time	1/60 t0 1/30000 sec.
Audio	Two-way (full duplex)
	External microphone input
	Audio compression: G.711 PCM, 8kHz, 64 kbit/s
Instant Messenger	Support MSN Live View (MSN7.0, 7.5, 8.0)
Security	Multiple user access levels with password protection,
	HTTPS encryption
Users	5 simultaneous users
	Unlimited number of users using multicast
Alarm Input/Output	Alarm input 5V/12V DC
	Alarm output Max 30W

Alarm and event management	Events triggered by video motion detection
	External input or according to a schedule
	Image upload over FTP, e-mail and HTTP
	Notification over TCP, e-mail, HTTP and external output
	Pre-and post alarm buffer
Connectors	RJ-45 for Ethernet 10/100 Base-T (with PoE)
	DC power jack
	Terminal blocks for 1 alarm input, 1 output
	Reset push switch
	3.5 mm jack for Mic/Line, 3.5 mm jack for line out
Casing	PC+ABS casing
Power	12V DC, 1A, Max 5W
	PoE (Power over Ethernet) Built-in IEEE 802.3af
Operating conditions	0 ~ 50 ℃ (32 ~ 122 ℉)
Installation, management, and maintenance	ZAVIO Camera Management tool on CD and web-based configuration. Configuration of backup and restore
	Firmware upgrades over HTTP, firmware available at www.zavio.com
Minimum web browsing requirement	Pentium 4 1.8GHz (or equivalent AMD)
	64 MB RAM graphic cards
	(or equivalent on-board graphic cards)
	512 MB RAM
	Window 98, ME, 2000, 2003, XP, Vista
	Mac OS Leapord 10.5
Supported protocols	Bonjour, TCP/IP, DHCP, PPPoE, ARP, ICMP, FTP, SMTP, DNS, NTP, UPnP, RTSP, RTP, HTTP, TCP, UDP, 3GPP/ISMA RTSP
Included accessories	Quick Installation Guide, CD (IP Surveillance Software, Intelligent IP Installer, User Manuals, and Language Pack), mounting kits, power supply 12V DC, and Allen wretch.
Video management software	ZAVIO Intelligent IP Installer_ Video management software, for viewing, recording and archiving up to 16 cameras
	See http://www.zavio.com/support.htm for more software application
Approvals	CE, FCC, RoHS
Dimensions (HxWxD) and weight	79 x 55 x 49 mm (3.1" x 2.1" x 1.9")
	300.5g (12oz) excl. power supply
Approvals	

▷ Physical Description

Lens

Audio Out

Power Connector

Audio In

Power LED indicator
Reset

I / O Terminal Connector

Network Connector

Alarm Out

Alarm In

Network Activity Indicator
Network Link Indicator