

## F3100 1.3 Megapixel Compact Camera



- ▶ **1.3 megapixel resolution**
- ▶ **H.264, Motion JPEG and MPEG-4 video streams**
- ▶ **15 fps in 1280 x 1024, 30 fps in 640 x 480**



- 1.3 megapixel progressive scan CMOS sensor
- Multiple H.264, Motion JPEG, MPEG-4 and 3GPP video streams
- 15 fps in 1280 x 1024, 30 fps in 640 x 480
- Excellent low-light performance with enhanced night mode
- 6 LED Illuminators
- Two-way audio with built-in microphone and audio detection
- SSL v3 advanced HTTPS encryption
- Full support for Firefox, Safari and Mac OS
- Supports Samba network storage
- 3GPP mobile surveillance
- Easy access via EZvuu
- Multi-lingual user interface
- 32 channel surveillance software

## ▶ Technical Specifications

<b>Models</b>	F3100 Compact Camera
<b>Image sensor</b>	1/4" Progressive scan 1.3 Megapixel CMOS sensor
<b>Lens</b>	F1.8, 4.2 mm
<b>Angle of view</b>	46° horizontal
<b>Digital Zoom</b>	10x digital
<b>Min Illumination</b>	0 Lux at F2.0 with Night-vision LEDs on
<b>IR working Distance</b>	5M
<b>S/N Ratio</b>	44dB
<b>Video Compression</b>	Motion JPEG MPEG-4 Part 2 (ISO/IEC 14496-2) Simple Profile H.264 Baseline Profile
<b>Resolutions</b>	Motion JPEG: 4 resolutions from 1280x1024 to 320x240 via API, 4 selections via configuration web page MPEG-4: 4 resolutions from 1280x1024 to 320x240 via API, 4 selections via configuration web page H.264: 4 resolutions from 1280x1024 to 320x240 via API, 4 selections via configuration web page
<b>Frame rate</b>	Motion JPEG: Up to 15 fps at 1280x1024 Up to 30 fps at 640x480 MPEG-4: Up to 15 fps at 1280x1024 Up to 30 fps at 640x480 H.264: Up to 15 fps at 1280x1024 Up to 30 fps at 640x480
<b>Video streaming</b>	Simultaneous Motion JPEG, MPEG-4, H.264 and 3GPP (Dual streaming) Controllable Frame rate and bandwidth Support Unicast and Multicast Support 3GPP/ISMA RTSP (Real Time Streaming Protocol)
<b>Image settings</b>	Rotation: Mirror, Flip, Mirror Flip brightness, contrast, saturation Overlay capabilities: time, date, text and privacy image
<b>Shutter time</b>	1/4- 1/17780 sec.
<b>Audio</b>	Two-way (full duplex) Audio compression: G.711 $\mu$ law, a law, and AMR
<b>Security</b>	Multiple user access levels with password protection, HTTPS encryption
<b>Users</b>	10 simultaneous users Unlimited number of users using multicast

<b>Alarm and event management</b>	Input: alarm buffer, motion detection, audio detection Output: network storage, FTP, SMTP, Pre-and post alarm buffer
<b>Connectors</b>	RJ-45 for Ethernet 10/100 Base-T DC power jack Reset push switch SD/SDHC memory card slot 3.5 mm jack for line out
<b>Casing</b>	PC+ABS casing
<b>Power</b>	12V DC, 1A, Max 12W
<b>Operating conditions</b>	0 ~ 50 °C (32 ~ 122 °F)
<b>Installation, management, and maintenance</b>	ZAVIO Camera Management tool on CD and web-based configuration. Configuration of backup and restore Firmware upgrades over HTTP, firmware available at <a href="http://www.zavio.com">www.zavio.com</a>
<b>Minimum web browsing requirement</b>	Pentium 4 2.8GHz (or equivalent AMD) 256 MB RAM graphic cards (or equivalent on-board graphic cards) 1G RAM Window 2000, 2003, XP or Vista Mac OS Leopard 10.5
<b>Supported protocols</b>	Bonjour, TCP/IP, DHCP, PPPoE, ARP, ICMP, FTP, SMTP, DNS, NTP, UPnP, RTSP, RTP, RTCP, HTTP, TCP, UDP, 3GPP/ISMA RTSP
<b>Included accessories</b>	Quick Installation Guide, CD (IP Surveillance Software, Intelligent IP Installer, User Manuals, and Language Pack), mounting and connector kits, power supply 12V DC
<b>Video management software</b>	ZAVIO CamGraba IP System software, for viewing, recording and archiving up to 32 cameras
<b>Approvals</b>	CE, FCC, RoHS
<b>Dimensions (HxWxD) and weight</b>	104 x 63 x 35 mm (4.1" x 2.5" x 1.4") 116.5 g (0.3 lb) excl. power supply

## ▶ Physical Description

