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**
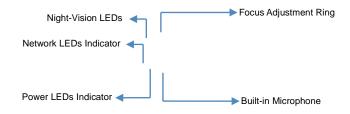
Onvif

- 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

Models	F3100 Compact Camera
Image sensor	1/4" Progressive scan 1.3 Megapixel CMOS sensor
Lens	F1.8, 4.2 mm
Angle of view	46° horizontal
Digital Zoom	10x digital
Min Illumination	0 Lux at F2.0 with Night-vision LEDs on
IR working Distance	5M
S/N Ratio	44dB
Video Compression	Motion JPEG MPEG-4 Part 2 (ISO/IEC 14496-2) Simple Profile H.264 Baseline Profile
Resolutions	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
Frame rate	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
Video streaming	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)
Image settings	Rotation: Mirror, Flip, Mirror Flip brightness, contrast, saturation Overlay capabilities: time, date, text and privacy image
Shutter time	1/4~ 1/17780 sec.
Audio	Two-way (full duplex) Audio compression: G.711 μ law, a law, and AMR
Security	Multiple user access levels with password protection, HTTPS encryption
Users	10 simultaneous users Unlimited number of users using multicast

Alarm and event management	Input: alarm buffer, motion detection, audio detection Output: network storage, FTP, SMTP, Pre-and post alarm buffer
Connectors	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
Casing	PC+ABS casing
Power	12V DC, 1A, Max 12W
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 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
Supported protocols	Bonjour, TCP/IP, DHCP, PPPoE, ARP, ICMP, FTP, SMTP, DNS, NTP, UPnP, RTSP, RTP, RTCP, HTTP, TCP, UDP, 3GPP/ISMA RTSP
Included accessories	Quick Installation Guide, CD (IP Surveillance Software, Intelligent IP Installer, User Manuals, and Language Pack), mounting and connector kits, power supply 12V DC
Video management software	ZAVIO CamGraba IP System software, for viewing, recording and archiving up to 32 cameras See http://www.zavio.com/support_softwares.php for more software application
Approvals	CE, FCC, RoHS
Dimensions (HxWxD) and weight	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

Night-Vision LEDs
Focus Adjustment Ring
Network LEDs Indicator
Power LEDs Indicator
Built-in Microphone

Network Connector
Audio Out (Speaker)
Reset
Power Connector