

# F731E 35M IR Day/Night Outdoor IP Camera



- ▶ **Simultaneous MPEG-4 and Motion JPEG**
- ▶ **True day/night with automatic removable IR-cut filter**
- ▶ **Infrared LEDs with 35m effective range**
- ▶ **Power over Ethernet**
- ▶ **Supports True Plug and Play Cloud Solution**

- Progressive scan CMOS
- Simultaneous MPEG-4 and Motion JPEG
- 30 frames per second in all resolutions
- 4.3mm, 6mm selectable lens
- True day/night capabilities with automatic removable IR-cut filter
- 850nm infrared LEDs with 35m effective range
- Two-way audio
- Power over Ethernet IEEE 802.3af
- 1 x alarm input, 1 x alarm output
- IP67 rated weatherproof housing
- SSL v3 advanced HTTPS encryption
- 3GPP mobile surveillance
- Multi-lingual user interface
- 64 channel surveillance software

## Technical Specifications

|                            |   |
|----------------------------|---|
| <b>Models</b>              | F731E   |
| <b>Image sensor</b>        | 1/4" Progressive scan CMOS sensor   |
| <b>Lens</b>                | 4.3, 6mm (Selectable), F2.0   |
| <b>Angle of view</b>       | 46°, 33° horizontal   |
| <b>Digital Zoom</b>        | 10x digital   |
| <b>Min Illumination</b>    | 0.1 lux at F1.5 (color)<br>0.001 lux at F1.5 (b/w)<br>0 lux at F1.5 (IR LED on)   |
| <b>IR working distance</b> | 35 m  |
| <b>IR LEDs</b>             | 8 φ IR LEDs x 36 (850nm)  |
| <b>S/N Ratio</b>           | 50 dB   |
| <b>Video Compression</b>   | Motion JPEG   |
| <b>Resolutions</b>         | Motion JPEG:<br>3 resolutions from 640x480 to 160x120 via API,<br>3 resolutions via configuration web page<br>MPEG-4:<br>3 resolutions from 640x480 to 160x120 via API,<br>3 resolutions via configuration web page |
| <b>Frame rate</b>          | Motion JPEG: Up to 15 fps at 640x480 (4:3 resolution)<br>MPEG-4: Up to 30 fps at 640x480 (4:3 resolution)   |
| <b>Video streaming</b>     | Simultaneous Motion JPEG and MPEG-4 (Dual streaming)<br>Controllable Frame rate and bandwidth<br>Support Unicast and Multicast<br>Support 3GPP/ISMA RTSP (Real Time Streaming Protocol)                             |
| <b>Image settings</b>      | Rotation: Mirror, Flip, Mirror Flip<br>brightness, contrast, saturation, hue<br>Overlay capabilities: time, date, text and privacy image  |
| <b>Shutter time</b>        | 1/7.5 ~ 1/120 sec.  |
| <b>Audio</b>               | Two-way (full duplex)<br>External microphone input or line input<br>Audio compression: G.711 PCM, 8kHz, 64 kbit/s   |
| <b>Security</b>            | Multiple user access levels with password protection, HTTPS encryption  |
| <b>Users</b>               | 5 simultaneous users<br>Unlimited number of users using multicast   |
| <b>Alarm</b>               | Alarm input 5V/12V DC   |
| <b>Input/Output</b>        | Alarm output Max 30W  |

|  |   |
|--|---|
| <b>Alarm and event management</b>                | Input: alarm buffer, alarm input, motion detection<br>Output: FTP, SMTP, HTTP event, alarm output<br>Pre-and post alarm buffer  |
| <b>Connectors</b>                                | RJ-45 for Ethernet 10/100 Base-T (with PoE)<br>DC power jack<br>Terminal blocks for 1 alarm input, 1 output<br>Reset push switch<br>3.5 mm jack for Mic/Line, 3.5 mm jack for line out  |
| <b>Casing</b>                                    | Aluminum casing   |
| <b>Power</b>                                     | 12V DC, 1A, Max 5W<br>PoE (Power over Ethernet) Built-in IEEE 802.3af   |
| <b>Operating conditions</b>                      | -30 ~ 50 °C (-22 ~ 122 °F)<br>Humidity 20 ~ 80% RH (non-condensing)   |
| <b>Installation, management, and maintenance</b> | ZAVIO Camera Management tool on CD and web-based configuration. Configuration of backup and restore<br>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 1.8GHz (or equivalent AMD)<br>64 MB RAM graphic cards (or equivalent on-board graphic cards)<br>512 MB RAM<br>Windows 98, ME, 2000, 2003, XP, Vista<br>Mac OS Leopard 10.5  |
| <b>Supported protocols</b>                       | Bonjour, TCP/IP, DHCP, PPPoE, ARP, ICMP, FTP, SMTP, DNS, NTP, UPnP, RTSP, RTP, HTTP, TCP, UDP, 3GPP/ISMA RTSP   |
| <b>Included accessories</b>                      | Quick Installation Guide, CD (ZAVIO CamGraba IP System, Intelligent IP Installer, User Manuals, and Language Pack), mounting and connector kits   |
| <b>Video management software</b>                 | ZAVIO CamGraba IP System software, for viewing, recording and archiving up to 64 cameras<br>See <a href="http://www.zavio.com/support_softwares.php">http://www.zavio.com/support_softwares.php</a> for more software application |
| <b>Approvals</b>                                 | CE, FCC, RoHS   |
| <b>Dimensions (HxWxD) and weight</b>             | 265 x 85 (φ)mm (10.3" x 3.3")<br>1641.5 g (3.6 lb) excl. power supply   |

## Physical Description

