

## Zavio CAM5070 LAN module

### Features:




- PoE (Power over Ethernet) Built-in with IEEE 802.3af Class 0 support.
- Motion JPEG & MPEG-4 Dual Streaming video compression
- Excellent Image Quality with up to 30 frames per second in Full D1 resolution
- Two-way Audio
- Live video and audio monitoring via 2.5G/3G mobile phone or media adapter
- Software Integrated & UPnP
- Intelligent Motion Detection
- 802.11b/g Wireless connection (available soon)
- Wireless security: 64/128 bit WEP, WPA, WPA2
- Supports 3GPP/ISMA RTSP(Real Time Streaming Protocol)
- Optimize synchronization of Audio and Video
- Easy to install and configure

### Technical Specification:

\*M/O: Mandatory/Optional

| Topic                      | Spec.   | M/O | Comment        |
|----------------------------|---|-----|----------------|
| Dimension                  | 50mm * 70 mm  | M   |                |
| System                     | CPU: ARM9 based 32-bit RISC<br>Speed: Up to 220 MHz   | M   |                |
| Memory                     | Flash: 4MB<br>SDRAM: 16 MB  | M   |                |
| Operation system           | Linux 2.4   | M   |                |
| Networking                 | TCP/IP, HTTP, ARP, ICMP, FTP, SMTP, DHCP, SNMP, DNS, NTP, PPPoE, IGMP                                 | M   |                |
| Video Transportation       | Supports RTSP, RTP over TCP/UDP<br>Supports uni-cast & multicast                                      | M   |                |
| Device discovery mechanism | UPnP  | M   |                |
| Video Compression          | MPEG-4 and MJPEG  | M   | Dual streaming |
| Video Resolutions          | NTSC<br>Up to 30 frames at 176x120<br>Up to 30 frames at 352x240<br>Up to 30 frames at 704x480<br>PAL | M   |                |

|                     |   |             |  |
|---------------------|---|-------------|--|
|                     | Up to 25 frames at 176x144<br>Up to 25 frames at 352x288<br>Up to 25 frames at 704x576  |             |  |
| Digital Video Input | Image resolution:<br>Format: YUV, RGB<br>Frame rate: 30 fps   | O           | Supports OV-7670 CMOS sensor or equivalent now |
| Analog Video Input  | Composite video input: NTSC/PAL<br>S-video input  | O<br>O      | Default: Composite                             |
| Analog Video Output | Composite video output: NTSC/PAL<br>S-video output  | O<br>O      | Default: Composite                             |
| Audio Input         | Supported -- ADPCM, MP2, AMR-NB   | O           | In/Out same Codec                              |
| Audio Output        | Supported -- ADPCM  | O           | In/Out same Codec                              |
| Built-in Microphone | Supported   | O           | Automatically disabled when Audio In is used   |
| Alarm and event     | Built-in motion detection<br>Triggered and scheduled events   | M<br>O      |  |
| Security            | ID/Password Authentication  | M           |  |
| Wireless interface  | 802.11 b/g  | O           | Available Feb, 2007                            |
| Wireless security   | WEP(64 and 128 bits)<br>WPA<br>WPA2   | M<br>O<br>O | WPA2 will be ready at the end of Feb, 2007.    |
| Power               | 12V DC, Max. 2.6W   | M           |  |
| PoE                 | Support Alternative A/B<br>Class 0, Min 0.44W, Max 12.95W   | O           | Supports two types at the same time            |
| 3GPP/ISMA RTSP      | Supported   | O           | Additional software license fee required.      |
| LED indicator       | <ul style="list-style-type: none"> <li>· System Activity and Network link indicator</li> <li>· System power and Status indicator</li> </ul> | M<br>M      |  |
| Interface           | 1. Ethernet – RJ45 for 10/100 Base-T<br>2. 12V DC<br>3. RS232   | M<br>M<br>O | For LAN module, 12V DC input connector         |

|                       |   |                            |                                  |
|-----------------------|---|----------------------------|----------------------------------|
|                       | 4. RS485 for PTZ control<br>5. Analog video output<br>6. Analog video input<br>7. External Microphone input<br>8. Audio line output<br>9. I/O port for alarm  | O<br>O<br>O<br>O<br>O<br>O | interface, not jack<br>interface |
| Operating Environment | 0 - 50 °C, humidity 20 - 80%  | M                          |                                  |
| EMI & Safety          |    | M                          |                                  |