

# MPEG-4 / Camera / Eagle-iii



Date Revised: 22 JAN 03

## VENDOR DESCRIPTION

### IP Embedded MPEG-4 Video Processing E/W Motion Detection & Scalable LUX

The real-time image processing engine digitizes the video signal from any NTSC, PAL, or CCD sensor with industry standard MPEG-4 technology (no PC required). By using MPEG-4, the standard for network video communications, the compression efficiency is 10-30 times higher than M-JPEG (200-500:1) and ideal for networks with fluctuating bandwidth. Transmit the video over wireless, a single twisted pair, coax 75 or 50 ohm, and the internet and either view it on your PC or PDA or store it on network attached storage (NAS). Supports simultaneous video and audio broadcast for up to 10 remote clients. Master camera or transmitter supports the ability to connect up to 3 local "slave" cameras to further reduce implementation costs for applications such as digital video recording (DVR) and remote monitoring.



**Product Manager**  
**Robotic & Unmanned Sensors**

Telephone: (732) 427-5827 / DSN 987

Fax: (732) 427-5072 / DSN 987

e-mail: SFAE-IEWS-NV-RUS@iew.s.monmouth.army.mil

CDR

| Hardware                        |   |                                     |
|---------------------------------|---|-------------------------------------|
| Power: 3 watts                  | Cooling: Ambient air                    | TCDL Compatibility: Info. not known |
| Weight: 1.5 lbs                 | Operating Altitude: Info. Not Available | No Missions Started                 |
| Size: 54mm W x 69mm H x 115mm D | Operating Speed: Info. Not Available    | MTBSA: Info. not known              |
| Interface: Ethernet             | Operating Temp.: 0°C to 50°C            | MTTR: Info. not known               |
| Bandwidth Required: 56-500 Kbps | Storage Temp.: 0°C to 50°C              | Maintainability: Info. not known    |

| Performance   |   |
|---|---|
| BLOS for TOC-to-TOC radios of the Tactical Internet: Info. not known                                      | # of TOC to TOC nets using TOC-to-TOC radios: None  |
| BLOS for JTRS-compliant waveforms: Info. not known  | # of JTRS compliant waveforms: None                 |
| Supports any combination of voice or data networks: Info. not known                                       | Relay for HS LOS trunk radios at 0 to 0 Mbs         |
| Capable of cross-banding between radios/waveforms: Info. not known  | # of simultaneous nets: None                        |
| Capable of paging services: No  | # of back single-channel UHF sate comm relays: None |
| Capable of cross-linking between multiple UAVs: Info. not known   | Capable of Link 16 nets at on time: None            |
| Capable of cross-banding between CRP-D components: Info. not known  | Capable of CDMA wireless telephone services: N/A    |
| Beyond line-of-sight (BLOS) relay for EPLRS of the Tactical Internet: Info. not known                     |   |
| Remote control of the payload via an on-board comms manager controller: Yes                               |   |
| Capable of integration into the WIN-T Network Management System – Info. not known                         |   |
| Capable of integration into the Joint Network Management System (JNMS): Info. not known                   |   |
| Capable of completing XX% of the missions it starts without experiencing a mission abort: Info. not known |   |