

The X-EMA (**Extended Environmental and Military Application**) Imager was uniquely designed for airborne applications and tested to meet demanding Mil spec requirements for extreme environments



Rugged and Independent

- Removable non-volatile memory for recorded video
- Tested and **certified acc. MIL-STD-461 and -810**
- Operates independently of external power or control devices
- Requires only external trigger for image capture during operation
- Ruggedized for 100G/15ms 3 axis shock
- Vibration, Impact, Dust and Moisture resistant

Specifications to meet demanding high speed video capture requirements

- 1280 x 1024 12um pixel 10 bit CMOS sensor color or monochrome
- 500 fps full resolution up to 32,000 fps using reduced resolutions
- IRIG B time stamping option
- Selectable global electronic shutter to 4usec
- Three memory configurations available:
 - 1.3GB (2 sec. @ 500 full fps)
 - 2.6GB (4 sec. @ 500 full fps)
 - 5.2GB (8 sec. @ 500 full fps)
- NTSC/Pal and SDI video outputs with real time continuous output for telemetry
- Gigabit Ethernet connection and image Studio Software for pc communication
- Built-in rechargeable battery
- Bit Depth control for contrast, sensitivity and sequence length flexibility
- **Dimensions and Weight;** (71 x 71 x 137 mm / 980
- **Power requirements:** Built-in rechargeable battery

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