ReallawkTHD



MILSPEC HD-SDI Video Recorder

Bad Wolf Technologies IIc is proud to introduce our new COTS MILSPEC RedHawk HD^{TM} Airborne solid state High Definition DVR. The RedHawk HD^{TM} is built to military standards and is qualified to MIL-STD-461F & MIL-STD-810G for airborne deployment. It is a completely off the shelf (COTS) unit that is not ITAR regulated.

Record High Definition Video & Audio in full 1080p 30/60 with a true Airborne MIL-SPEC HD-SDI DVR. RedHawk HD™ is designed for military, law enforcement, and professional aircraft applications where equipment must withstand the harshest environments. Be it extreme cold, heat, vibration, shock, EMI, EMC, RF or whatever else life throws at it, RedHawk HD™ MILSPEC HD DVR is there to work. Failure is not an option with this rugged video recorder!

FEATURES:

- Qualified to MIL-STD-461F EMC Electrical Compliance.
- Qualified to MIL-STD-810G for Airborne Deployment.
- · Recording formats are 3G-SDI, HD-SDI and CVBS.
- Ethernet and WiFi networking capability.
- Cloud Enabled.
- Multicast and Unicast streaming with low latency.
- · GPS Recording with Video Overlay.
- User Data Recording with Video Overlay.
- FLIR (forward looking infrared) cameras compatible.
- Built to military specification to withstand extreme conditions.
- 7075 Aluminum hermetically sealed CNC milled chassis.
- IP68 qualification OPTION
- High Definition MILSPEC airborne rugged video recorder.
- · Single or Dual channel Recording to Solid State Media.
- Certification reports available for qualified agencies, military and defense contractors.
- NVIS qualified status indicator night vision LED OPTION

APPLICATIONS:

- Mission Recon
- Flight Training
- Mission Debriefing
- · Search and Rescue
- Military, Navy & Air Force
- Aerial Firefighting
- Airborne Law Enforcement





"The Datatoys video system allowed Lockheed Martin to establish integrate sensorperformance in actual flight tests by simultaneous recording of sensor video performance and the out of window situation that could be immediately compared on playback. This greatly impressed out customers and established that, real systems to overcome Degraded Visual Environments were possible, to enhance helicopter safety."

Kim Evans, Systems Engineer Lockheed Martin



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RealHawk HD

VIDEO

SDI 3G-SDI SMPTE 424M 1080p60/59.94/50

HD-SDI SMPTE 292M 1080i60 / p30

SD-SDI SMPTE 259M PAL/NTSC

COMPOSITE NTSC 720 x 480

PAL 720 x 576

RESOLUTION MAX 1920 x 1200 60fps Progressive, Interlace COMPRESSION h.264 AVC HIGH, MAIN, BASELINE PROFILE

MJPEG

BITRATE 32Kbps – 16Mbps (h.264) 32Kbps – 55Mbps (MJPEG)

FILE TYPE .AVI

AUDIO

INPUT/OUTPUT STEREO L / R LINE LEVEL - AVIATION HEADSET

SDI EMBEDDED

COMPRESSION AAC 64Kbps – 128Kbps @ 32/44.1/48kHz

G.711 64Kbps @ 8KHz

OUTPUT STEREO L / R LINE LEVEL

INPUT & OUTPUT

RECORD TRIGGER RECORD BUTTON FRONT PANEL

REAR CONNECTOR

WAY-POINT REAR CONNECTOR

JPEG REAR CONNECTOR

AUDIO IN/OUT AUDIO REAR CONNECTOR

INDICATOR FRONT – POWER, GPS, RECORD, FAULT

REAR - ETHERNET

DATA I/O

SERIAL RS-232 – BAUD RATE 2400 – 115200bps

GPS GPS GNSS NMEA 0183 GPGGA/GPRMC/GPGSA/GPVTG parsed

1Hz AND 5Hz

OVERLAY COORDINATES/SPEED/AMSL/TIME&DATE

CONCURRENT KML & GPX FILES

STORAGE USB 2.0

POWER

INPUT 12 – 34 VDC

WATTAGE 4.8W [400mA @ 12VDC] UNIT ONLY

PHYSICAL & ENVIRONMENTAL

TEMPERATURE -34°C TO +85°C [-30°F TO +185°F]

HUMIDITY 20% TO 80% RH

DIMENSIONS 285.75 x 165.1 x 83.82mm [11.25" x 6.5" x 3.3"]

WEIGHT 9.25LB [4196gm]







FUNCTION	DESIGN	P/N	MATING P/N
POWER INPUT	J1	MS27497E8B35P	MS24484T8B35S
	J2	MS27497E14B35S	MS27484T14F35P
I/O	J3	MS27497E14B35SA	MS27484T14F35A
ETHERNET	J4	RJF21N	ETHERNET
	J5	NBB75DFG	BNC
BNC	J6	NBB75DFG	BNC
BNC	J7	NBB75DFG	BNC
BNC	J8	NBB75DFG	BNC
USB	J9	USBFTV22N	USB
POWER CABLE		M27500-20TG2T14	



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