



**BAD WOLF**  
TECHNOLOGIES

## APPLICATIONS

Rotorcraft  
Fixed Wing  
Naval Vessels  
Flight Training  
Flight Testing  
Instrumentation  
Aerial Firefighting  
Mission Recording  
Aerial Inspection  
Broadcast  
Security  
CCTV

## FEATURES

Aerial, Naval, &  
Ground Vehicle Use

Record Multiple  
Resolutions

+12v @ 150ma(Max):  
Power to Cameras

3G-SDI, HD-SDI, HDMI  
& CVBS NTSC/PAL  
Video

# AIRKNIGHT HD2

## DUAL CHANNEL HD VIDEO RECORDER



- Dual video recording solution
- Supports 3G-SDI, HD-SDI, HDMI & CVBS NTSC/PAL video
- Low latency streaming with strong network capabilities
- GPS & User Data Logging via RS232 with Video Overlay
- USB & SD Card media storage
- Supply +12V @ 150mA (max) to an external camera
- Supply +5V to the GPS receiver
- Power Socket, 2.1mm DC, locking – industry standard

The Airknight HD2 has the same features and options as the standard Airknight HD but with dual video recording sources. Record two separate cameras directly onto corresponding removable media at resolutions of up to 1080p60 (3G-SDI) with direct overlay GNSS (GPS) and text fields. Remote start/stop, waypoint, and image capture triggers available for each channel separately or together.

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Certified WOSB | Cage Code 6XSP8 | NAICS Code: 334310 | DUNS Number: 078890938



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### SYSTEM INCLUDES

- Airknight HD2
- Power Cable
- Mounting Brackets
- Ethernet Cable

### ACCESSORIES

- Power Control Module
- Multiview HD
- GPS Puck
- Remote Start/Stop
- Waypoint Trigger
- Image Capture Trigger
- Audio Cable
- Video Adapter Cable
- 4-Cam Video Switcher

## SPECIFICATIONS

### VIDEO [x2]

|             |   |
|-------------|---|
| SDI         | 3G-SDI SMPTE 424M 1080p60/59.94/50<br>HD-SDI SMPTE 292M 1080i60/p30<br>SD-SDI SMPTE 259M NTSC/PAL |
| HDMI        | V.1.4 1080p   |
| COMPOSITE   | NTSC 720 x 480<br>PAL 720 x 576   |
| COMPRESSION | H.264 AVC HIGH, MAIN, BASELINE PROFILE MJPEG  |
| BITRATE     | 32Kbps – 16Mbps (H.264) 32Kbps – 5Mbps (MJPEG)  |
| FILE TYPE   | .AVI, .MP4  |

### AUDIO [x2]

|             |   |
|-------------|---|
| INPUT       | STEREO L/R LINE LEVEL – AVIATION HEADSET<br>SDI EMBEDDED; HDMI EMBEDDED |
| COMPRESSION | AAC 64Kbps – 128Kbps @ 32/44.1/48KHZ<br>G.711 64Kbps @ 8KHZ             |
| OUTPUT      | STEREO L/R LINE LEVEL   |

### INDICATOR/TRIGGER

|            |  |
|------------|--|
| TRIGGER    | RECORD – FRONT PANEL, REAR CONNECTOR (OPTIONAL)<br>WAY POINT REAR CONNECTOR (OPTIONAL) |
| STATUS LED | FRONT – POWER, GPS, RECORD, STATUS   |

### DATA I/O [x2]

|              |  |
|--------------|--|
| SERIAL       | RS232, RS422, OR RS485 @ 2400 – 115200bps  |
| ETHERNET     | RJ45   |
| GNSS         | GPS GNSS NMEA 0183 GPGGA/GPRMC/GPGSA/GPVTG<br>PARSED 1HZ AND 5HZ<br>OVERLAY COORDINATES/SPEED/AMSL/TIME & DATE<br>CONCURRENT KML & GPX FILES |
| OVERLAY TEXT | ASCII, TEXT1, TEXT2, TEXT3 <CR><LF>  |
| STORAGE      | USB 2.0/3.0, SSD OR HDD<br>SD, SDHC OR MICROSD (WITH ADAPTER)  |

### POWER

|         |                                    |
|---------|------------------------------------|
| INPUT   | +12 – 34VDC                        |
| WATTAGE | 2 x 5.4W [450mA @ 12VDC] UNIT ONLY |

### PHYSICAL & ENVIRONMENTAL

|             |   |
|-------------|---|
| TEMPERATURE | -34°C – +85°C [-30°F – +185°F]                  |
| HUMIDITY    | 20 – 80% RH                                     |
| DIMENSIONS  | 4.956 x 4.900 x 3.445" [125.9 x 124.5 x 87.1mm] |
| WEIGHT      | 2.10lbs [950.6g]                                |

**P/N: BW-AKHD2**