



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 HD4S

QUAD-SWITCH HD VIDEO RECORDER



- Records views from one of (four) cameras
- 1 – 4 camera-switching: automatic or manual selection
- Record headset audio commentary
- Highest video quality available
- Rugged, compact & affordable video recorder
- Supports 3G-SDI, HD-SDI, HDMI & CVBS NTSC/PAL video
- Photo Capture while recording
- Create GPS way points along the flight/travel path
- GPS & User Data Logging via RS232 with Video Overlay

The AirKnight HD4S is a compact and durable quad-switching HD video recorder designed for the flight tour market. Alternates manually or automatically between up to four cameras. Records directly to removable media at resolutions up to 1080p60 (3G-SDI). Create custom flight tour experience while recording directly to USB flash drive or SD card.



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TECHNOLOGIES

SYSTEM INCLUDES

- Airknight HD4S
- 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

SPECIFICATIONS

VIDEO

SDI x 4	3G-SDI SMPTE 424M 1080p60/59.94/50 HD-SDI SMPTE 292M 1080i60/p30 SD-SDI SMPTE 259M NTSC/PAL
HDMI x 1	V.1.4 1080p
COMPOSITE x 1	NTSC 720 x 480 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

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

INDICATOR/TRIGGER

TRIGGER	RECORD – FRONT PANEL, REAR CONNECTOR (OPTIONAL) WAY POINT REAR CONNECTOR (OPTIONAL)
STATUS LED	FRONT – POWER, GPS, RECORD, STATUS

DATA I/O

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

POWER

INPUT	+12 – 34VDC
WATTAGE	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	2.16lbs [983.4g]