EAGLEi 4K

COCKPIT CAMERA + FLIGHT DATA RECORDER

The first of its kind, EAGLEi 4K set the new standard in lightweight Flight Data Recording technology.

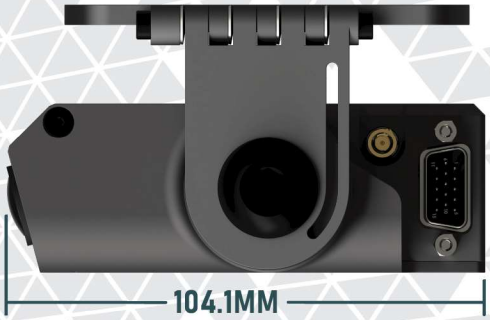
EAGLEi 4K is a dual-media Class C Airborne Image Recorder capturing: • 4K UHD video • ATC & cockpit audio
• GPS • acceleration & rotation/attitude

Installing quickly in any aircraft, EAGLEi 4K is trusted on hundreds of aircraft & over 21 airframes worldwide.

There has never been a more affordable way to add safety, accountability, & profitability to your operation.

RUGGED VIDEO

SPECIFICATIONS



VIDEO

IMAGE RESOLUTION /	4Kp30 | 2Kp30 | 1080p60 | 720p60
CODEC	H.264 encoding, file format: MP4 video + 2-ch audio
FIELD OF VIEW (FOV)	126.5° horiz | 99.5° vert | 135° diag
DATA OVERLAY	GPS, inertial/attitude, date/time
MONITOR OUTPUT	RS-170 composite (NTSC/PAL)

AUDIO

AUDIO INPUTS	2x isolated-ground line-in channels up to 8VPP (3 VRMS)
AMBIENT MICROPHONE	built-in omni-directional condenser microphone
COMPRESSION	AAC at 32KHz

USER INTERFACE

CONTROL	USB record start/stop & audio on/off switches, reset
STATUS LEDS	USB record, system ready, fault
WIRED SWITCH/SENSOR INPUTS	USB rec start/stop, USB audio on/off, engine fault, waypoint*
REMOTE INDICATOR OUTPUTS	USB record, fault (LED driving outputs)
CONNECTION	system interface: DE-15; GPS: SMB
WIRING	connector kit or pre-fabricated harness

OPTIONS

MOUNTING BRACKET	ceiling mount, vertical/wall mount, low-profile w/ remote GPS some airframe-specific kits available
MEDIA	internal 2/4/8hr; USB 4hr to 32hr; low profile; USB media guard
LENS	custom lens FOV available
GPS ANTENNA	antenna-on-bracket | remote-mount
GPS AUTOMATION	Rugged Video GPS automation system for USB record & audio

GENERAL SPECIFICATIONS

POWER	10-32VDC, 3-5watts
WEIGHT & DIMENSIONS	9oz | 104.1mm x 87.4mm x 36.8mm
ENCLOSURE	machined aluminum enclosure, black anodized
MOUNTING	3-axis adjust, locking, machined aluminum mount (mult. styles)
HARDENED INTERNAL MEMORY	32GB | 64GB | 128GB (2 | 4 | 8 hour approx. record time @ 4k30)
REMOVABLE MEDIA	USB 3.0, FAT32 formatted, up to 512GB (32hr)
INTERNAL RECORDING MODE	black box (always recording, overwrites data in FIFO order)
USB RECORDING MODES	black box, manual start/stop, GPS automation
REGULATIONS	FAR 135.607 for HEMS/Air Ambulances*, US Forest Service #1202SA22R9201/2/3, NZ Dept. of Conservation, + others

USER CONFIGURATION

VIDEO	encoding, resolution, overlay (GPS, IMU, date/time, placement)
DATA	GPS rate, IMU rate, shutdown timer*, USB data file on/off*
AUDIO	ambient gain, audio enable switch (USB media), remote PTT input

GPS

DATA LOGGING	WAAS GPS 1 Hz, 5Hz, 10 Hz (Configurable)
GPS ANTENNA	active or passive GNSS antenna (active 27dB antenna standard)
GNSS UPDATE RATE	1Hz, 5Hz, 10 Hz (Configurable)

IMU

SENSE AXES	X, Y, Z, linear & rotational (Pitch, Roll, Yaw)
SENSITIVITY	up to +/- 0.0002g
SAMPLE RATE	1 Hz, 5 Hz, 10 Hz (Configurable)

BATTERY BACK-UP

CAPACITY	520mAh; Charge time 5min to min level; full charge in 2 hrs
RUN TIME	30 sec black box recording after power loss
CERTIFICATION	IEC 62133 Certified | FAA AC20-184 Compliant

*_Firmware-enabled feature

TRUSTED ON OVER 21 DIFFERENT AIRFRAMES WORLDWIDE

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