



# EAGLEi 4K

## COCKPIT CAMERA + FLIGHT DATA RECORDER

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

EAGLEi 4K is a Class C Airborne Image Recorder with dual media, capturing: 8MP, 30FPS 4K video, ATC & cockpit audio, GPS data, acceleration & rotation/attitude data.

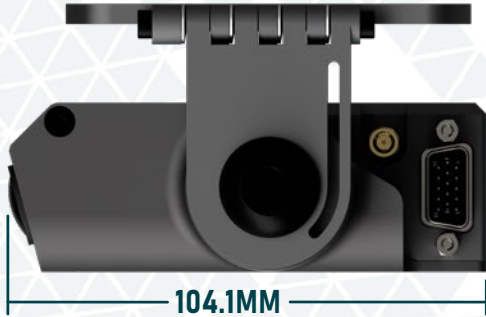
Installing easily in any aircraft, EAGLEi 4K is now trusted on over 15 different rotorcraft models worldwide.

There has never been a more affordable way to enhance the safety, accountability, and profitability of your operation.



**RUGGED**  
VIDEO

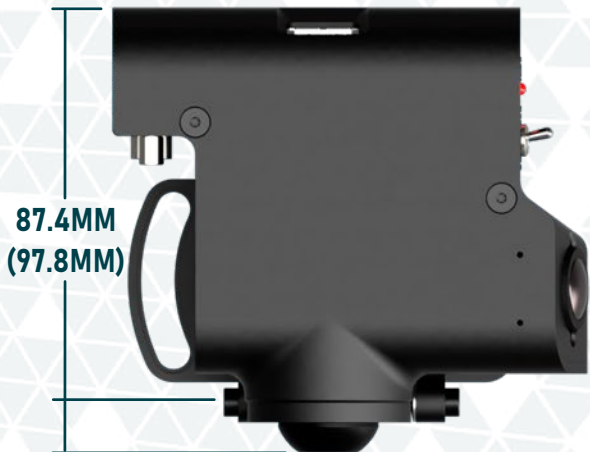
# SPECIFICATIONS



104.1MM



36.8MM



87.4MM  
(97.8MM)

**TRUSTED ON OVER 15  
DIFFERENT ROTORCRAFT  
MODELS WORLDWIDE**

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## VIDEO

IMAGE RESOLUTION / CODEC	4Kp30   2Kp30   1080p60   720p60 (configurable) 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

INPUT/SOURCES	external: 2x isolated-ground line-in channels up to 8VPP (3 VRMS) ambient: 1x omni-directional condenser microphone
SOURCES	general aviation, U174, Bose 6-Pin, AUX jack, and more
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 flt, waypt/snapshot*
REMOTE INDICATOR OUTPUTS	USB record, fault (LED driving outputs)
CONNECTION	system interface: locking DE-15; GPS: locking SMB
WIRING	connector kits & air-frame specific harnesses available

## OPTIONS

MOUNTING BRACKET	ceiling mount, vertical/wall mount, low-profile w/ remote GPS some airframe-specific kits available
LENS	custom lens FOV available
MEDIA	external USB media up to 512GB, USB tamper guard avail.
GPS ANTENNA	optional remotely-mounted GPS antenna
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 (97.8mm w/bracket) x 36.8mm
ENCLOSURE	machined aluminum enclosure, black anodized
MOUNTING	3-axis adjust., locking, machined aluminum mount (mult. styles)
HARDENED INTERNAL MEMORY	32GB max endurance series (2 hour approx. record time @ 4k30)
REMOVABLE MEDIA	USB 3.0, up to 512GB. Records simultaneous w/internal media
INTERNAL RECORDING MODE	black box (always recording, overwrites old 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 #1202SA21R9008, NZ Dept. of Conservation, + others

## USER CONFIGURATION

VIDEO	encoding, resolution
DATA OVERLAY	GPS data, overlay placement, IMU data, date/time + DST
AUDIO	adjustable gain, audio enable switch, 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