

# CAM4K-1E

4K TAIL OR BELLY CAMERA



## MAIN FEATURES

- Ethernet H265
- Low Power Consumption
- Low Drag



**ULTRA HIGH-DEFINITION  
4KUHD (3840X2160)**



**LIGHTWEIGHT 0.500 KG  
& LOW POWER CONSUMPTION**



**RTP MULTICAST ETHERNET  
VIDEO OUTPUTS**

## DESCRIPTION

CAM4K-1E is a 4K-UHD ULTRA high definition airborne camera, fully integrated into a rugged, lightweight and aerodynamic fairing. Powered directly from the aircraft 28 VDC, this camera outputs Ethernet H265 video stream to be interfaced directly to any IFE/CMS system for entertainment or PARABELLUM security system.

Designed to be installed on the aircraft tail or belly/fuselage, its high definition 12MPx imager works in lightning conditions from direct sunlight to extreme low-light. Camera and window are heated for all-weather operation.

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## SPECIFICATIONS

### MECHANICAL

Dimensions (HWD):  
6x2.5x5 (inch)

**Material:**

Aluminum AL2024  
with anti-corrosion treatment  
White coating

**Weight:**

0,5 kg

**WINDOWS**

Sapphire

## SPECIFICATIONS

### ELECTRICAL

Power:  
28VDC

Consumption:  
24W max

**Digital video:**

Multicast RTP  
1Gbt Ethernet  
Native H265 compression

**Connector:**

Mil-DTL-38999

**Optical/Imaging:**

Sensor CMOS 12MPx Electronic  
Rolling Shutter

**Field of view:**

55°X31° up to 92°X55°

## QUALIFICATION RTCA DO 160 G - TEST SECTION

Temperature and Altitude	4
Temperature Variation	5
Humidity	6
Operational Shocks and Crash Safety	7
Vibration	8
Explosive Atmosphere	9
Waterproofness	10
Fluid Susceptibility	11
Sand & Dust	12
Fungus Resistance	13
Magnetic Effect	15
Power Input	16
Voltage Spike	17
Audio Frequency Conducted Susceptibility - Power Inputs	18
Induced Signal Susceptibility	19
Radio Frequency Susceptibility (Radiated and conducted)	20
Emission of Radio Frequency Energy	21
Lightning Induced Transient Susceptibility	22
Lightning Direct Effect	23
Electrostatic Discharge	25
Flammability	26

## TECHNICAL DRAWING

P/N: 1000-1110-00X

