

CAMHD-1

HIGH-DEFINITION TAIL OR BELLY CAMERA

MAIN FEATURES

- Simultaneous HD-SDI & Ethernet stream
- Low Power Consumption
- Low Drag



**TRUE HIGH-DEFINITION
1080 AIRBORNE CAMERA**



**LIGHTWEIGHT 0.230 KG
& LOW POWER CONSUMPTION**



**SIMULTANEOUS HD-SDI
& ETHERNET VIDEO OUTPUTS**

DESCRIPTION

CAMHD-1 is a high definition airborne camera, fully integrated into a rugged, lightweight and aerodynamic fairing. Powered directly from the aircraft 28 VDC, this camera outputs simultaneously 1080p HD-SDI and Ethernet H264 video stream to be interfaced directly to any ICE/CMS system for entertainment or PARABELLUM security system. Designed to be installed on the aircraft tail or belly/fuselage, its high definition 1080 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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HIGH-DEFINITION TAIL
OR BELLY CAMERA

SPECIFICATIONS

MECHANICAL

Dimensions (HWD):
4.74x1.88x3.66 (inch)
120.3x47.59x92.79 (mm)

Material:
Aluminum AL2024
with anti-corrosion treatment
White coating

Weight:
0,23 kg
0,5 lbs

WINDOWS
Quartz SILICA

SPECIFICATIONS

ELECTRICAL

Power:
28VDC

Consumption:
20W max

Digital video:
1080 HD-SDI
100Bt Ethernet 1080
Native H264 compression
(Other format MPEG available)

Connector:
Mil-DTL-38999

Optical/Imaging:
Sensor CMOS 3MP Electronic
Rolling Shutter S/N 38.1db

Field of view:
55°X31° up to 92°X55°

P/N MODEL VS FOV

P/N Model	Location	Field of view
1000-1300-001	Tail mounted	55°x31°
1000-1300-003	Tail mounted	92°x55°
1000-1300-004	Belly mounted	55°x31°
1000-1300-006	Belly mounted	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

