

CAMHD-4+

HIGH-DEFINITION QUAD CAMERA



MAIN FEATURES

- x4 Airborne 1080 High Definition Camera for a 360° video coverage
- Simultaneous HD-SDI (uncompressed video) & Ethernet (compressed H264 video) stream



QUAD (4) AIRBORNE 1080
HIGH DEFINITION CAMERA



SAPPHIRE WINDOW TO RESIST
FOREIGN OBJECT IMPACT



SIMULTANEOUS HD-SDI
& ETHERNET VIDEO OUTPUTS

DESCRIPTION

CAMHD-4 is a high definition QUAD 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 belly/fuselage, it provides a FWD, LEFT, RIGHT and AFT view of underneath the aircraft and 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
QUAD CAMERA

SPECIFICATIONS

MECHANICAL

Dimensions (HWD):

4.86x1.94x6.75 (inch)
123.36x49.23x171.45 (mm)

Material:

Aluminum AL2024
with anticorrosion treatment
White painted

Weight:

1 kg
2.1 lbs

WINDOWS

Sapphire Window

SPECIFICATIONS

ELECTRICAL

Power:

28VDC

Consumption:

MAX: 56W

Digital video:

Digital video 1080 HD/SDI
1000Bt Ethernet 1080
native H264 compression
(Other format MPEG available)

Connector:

Mil-DTL-38999
Series III

Optical/Imaging:

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

Field of view:

FRONT / BACK

HFOV

66° (±5°)

VFOV

48° (±5°)

SIDE

95° (±5°)

53° (±5°)

QUALIFICATION RTCA DO 160 G - TEST SECTION

Temperature and Altitude	4
Temperature Variation	5
Humidity	6
Operational Shocks and Crash Safety	7
Vibration	8
Fluid Susceptibility	11
Sand & Dust	12
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

TECHNICAL DRAWING

P/N: 1000-1210-00X

