

# 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  
100Bt 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

