

# CAMHD-VS

CAMERA HD VERTICAL STABILIZER (TAIL) MOUNTED



## MAIN FEATURES

- Simultaneous HD-SDI (uncompressed video) & Ethernet (compressed H264 video) stream
- Available in two version Left or Right mounted



TRUE HIGH DEFINITION  
1080 AIRBORNE CAMERA



LOW-PROFILE, LOW-DRAG  
AERODYNAMIC HOUSING



SIMULTANEOUS HD-SDI  
& ETHERNET VIDEO OUTPUTS

### DESCRIPTION

CAMHD-VS 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 vertical stabilizer of the aircraft, this camera provides a comprehensive viewing area of wingtip surrounding to help ground operation. Flush mounted, it masterizes the aerodynamical efficiency, 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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## 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
Salt Fog	14
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
Icing	24
Electrostatic Discharge	25
Fire, Flammability	26

## SPECIFICATIONS

### MECHANICAL

#### Dimensions (HWD):

4.0x3.5x9.7 (inch)  
101.8x87.8x93.6 (mm)

#### Material:

Aluminum AL2024  
with anticorrosion treatment

#### Weight:

0.33 kg  
0.77 lbs

## WINDOWS

Quartz SILICA

## SPECIFICATIONS

### ELECTRICAL

#### Power:

28VDC

#### Consumption:

20W max

#### Digital video:

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°

## TECHNICAL DRAWING

P/N FOR RH: 1000-1331-00X

P/N FOR RH: 1000-1332-00X

