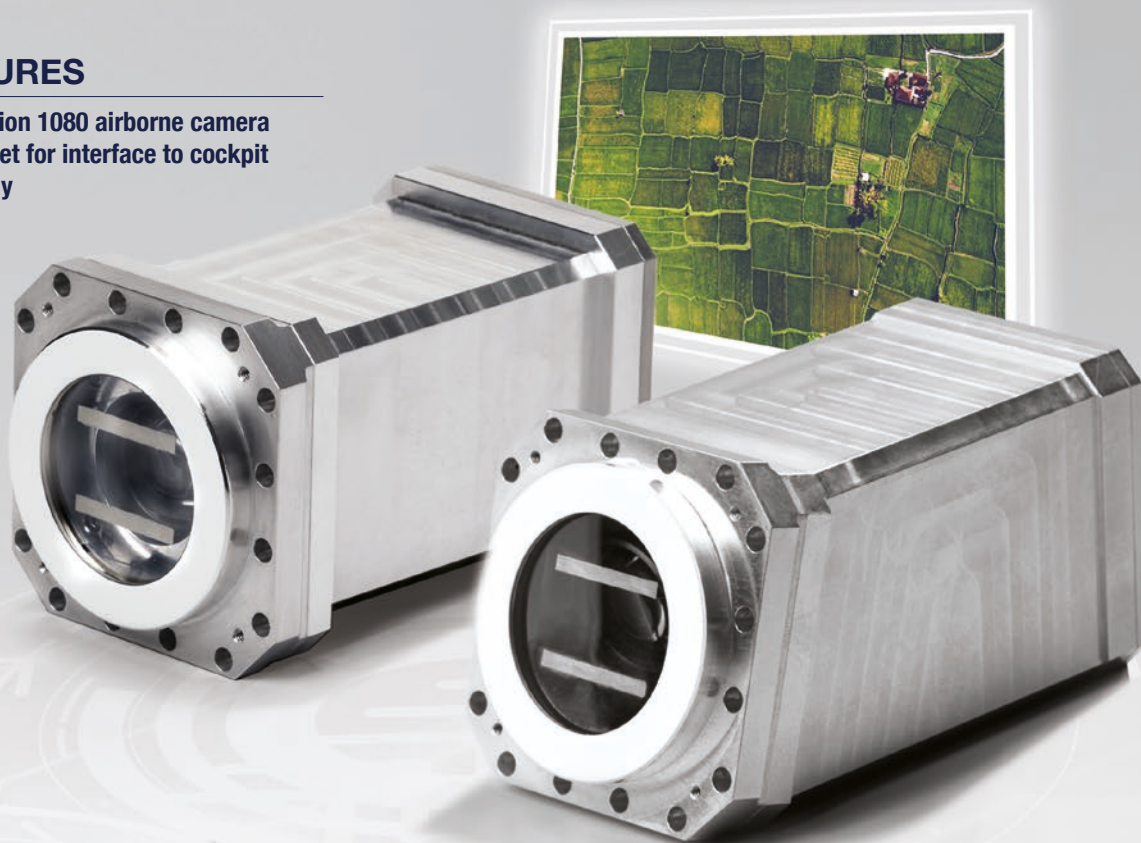


CAMHD-Z/ZA/ZE

HD-SDI & ETHERNET ZOOM CAMERA

MAIN FEATURES

- True high definition 1080 airborne camera
HD-SDI & Ethernet for interface to cockpit
and cabin display



**ZOOM HIGH DEFINITION X120
(10X OPTICAL/12X DIGITAL)**



**TRUE HIGH DEFINITION
HD-SDI 1080**



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

DESCRIPTION

CAMHD-Z is a high definition airborne camera, fully integrated into a rugged and lightweight fairing. Powered directly from the aircraft 28 VDC, this camera outputs 1080p HD-SDI video stream (and Ethernet H264 in option) to be interfaced directly to any ICE/CMS system for entertainment; its features allows a x10 optical zoom, a x12 digital zoom and a picture freeze function. Designed to be flush mounted to the aircraft belly, three options are available: • Down looking straight to the ground (HD-SDI or HD-SDI & Ethernet) • 15° angle of view with the belly to provide a wider range of viewing area. 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.

CAMHD Z/ZA/ZE

HD-SDI & ETHERNET
ZOOM CAMERA

SPECIFICATIONS

MECHANICAL

Dimensions (HWD):

2.99x2.99x4.9 (inch)
75.88x75.88x126 (mm)

Material:

Aluminum AL2024
with anticorrosion treatment
White painted

Weight:

0,6 kg
1,32 lbs

WINDOWS

Quartz SILICA

SPECIFICATIONS

ELECTRICAL

Power:

28VDC

Consumption:

34W max

Digital video:

1080 HD-SDi
(Other format MPEG available)

Connector:

Mil-DTL-38999

Optical/Imaging:

Sensor CMOS 2MP Electronic
Rolling Shutter S/N 50db

Field of view:

50°x5.4°
(depends on the zoom)

P/N MODEL VS FOV

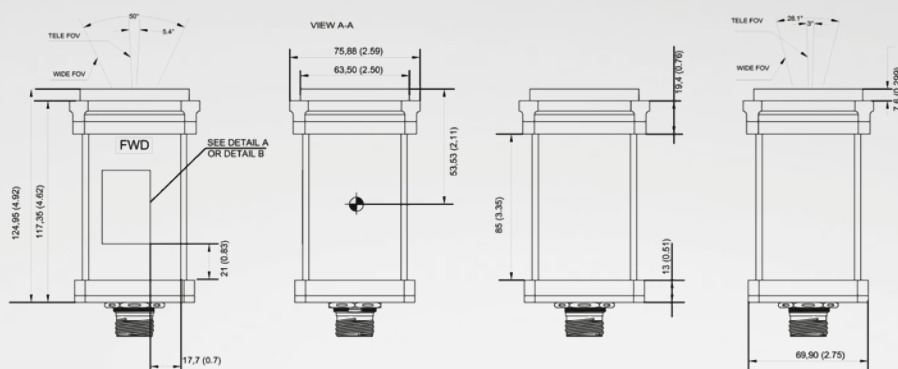
P/N Model	Location	Location	Field of view
1000-1400-001	CAMHD-Z	0°	HD-SDI
1000-1410-001	CAMHD-ZA	15°	HD-SDI
1000-1420-001	CAMHD-ZE	0°	HD-SDI & Ethernet

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
Fungus Resistance	13
Salt Fog	14
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
Fire, Flammability	26

TECHNICAL DRAWING

CAMHD-Z P/N: 1000-1400-00X CAMHD-ZE P/N: 1000-1420-00X



CAMHD-ZA P/N: 1000-1410-00X

The CAM HD-ZA has the same properties but we add a mechanical angle of 15° for a best video perspective