

# DISPLAY 6.5"

HIGH DEFINITION VIDEO MONITOR



## MAIN FEATURES

- Light weight and easily installed
- Compatible with all cameras and computers



TRUE HIGH DEFINITION  
DISPLAY



COCKPIT  
OR CABIN MOUNTED



CAN BE USED  
FOR DIRECT VIEW

## DESCRIPTION

Display 6.5 is a multi-purpose ruggedized display specially designed for avionics applications. Customizable HMI software can be developed according to your specifications and then downloaded into the display. Several displays can be chained without any additional device (e.g. one external IP camera displayed on all displays), and one storage media can be shared by multiple displays. External camera can be powered using 12 VDC output or Ethernet POE.

This equipment can be installed in the cockpit and cabin areas and is designed to be easily integrated into In-Flight Entertainment and Cabin Management Systems for Cockpit Door Surveillance System (CDSS), full cabin control, or displaying multimedia and camera contents. Tactile buttons with force feedback and a luminosity sensor enable to manually or automatically control the brightness of the screen and to secure operations during the flight.

1080 | HD

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VIDEO MONITOR

## SPECIFICATIONS

### MECHANICAL

#### Display:

Size (LxHxD mm): 174 x 160 x 37.7

Technology: XGA - TFT color LCD

Resolution: 1024x768 pixels

Colors: 16 Million

Luminosity: 600 Cd/m<sup>2</sup>

Viewing angle: horizontal 80°/80°

- vertical 80°/60°

#### Interface:

Tactile buttons: LCD luminosity / one programmable button 1x USB and 1x internal SD card

Luminosity sensor

Rear connector:

DMM micro-connector 47 pins

#### Weight:

1110 g

## SPECIFICATIONS

### ELECTRICAL

#### Power supply:

12 VDC to 32 VDC

#### Consumption:

16W max

#### Digital video:

1x 1080 HD/SDI 75 Ohm video input  
1x Ethernet video IP POE 1000MB/s  
1x NTSC Differential video 100 Ohm video input and output

#### Connector reference:

Ohm DF321YO47D55D-0001-1300DMM Nicomatic DMM Series

#### Processor:

Apalis iMX6 - 2GB (RAM)

#### Operating system:

Linux Angstrom

#### Qualification:

RTCA DO160G

#### Certifiable:

DO254, DO178-C (DAL D)

### 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
Electrostatic Discharge	25

### TECHNICAL DRAWING

PE016202\_ICD

