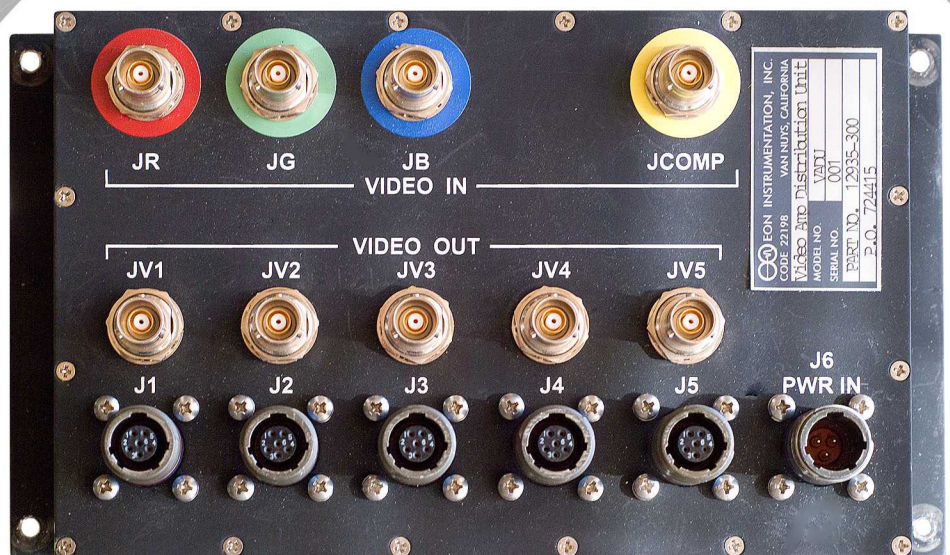


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General Description:

The ADV-301-31 Video Distribution Amplifier provides the capability of amplifying and distributing RS-170 monochrome video from a RGB input device such as a FLIR or Digital Moving Map and composite color video from a CCD camera in RS-170 RGB format with sync on green. The Video Amplifier shall provide an input for the RS-170 IR video and RGB video signal, amplify the signals and provide five outputs for each video signal suitable for display on four cockpit MFDs and one video recorder. The ADV-301-31 shall be compatible and operate with 28VDC aircraft power designed to the requirements of MIL-STD-704A.

Specification:

Power: 28VDC Primary Aircraft Power , 10 Watts Nominal

Video Input:

1. composite NTSC (RS-170 format) monochrome video
75 ohm load
2. color NTSC (RS-170 format) Red, Green (sync on green),
Blue video signal

Video Interface: video signals sync level to white level is 1.0 ± 0.1 volt

Video Output:

1. NTSC (RS-170 format) monochrome video signal, 5-75ohm loads
2. color NTSC (RS-170 format) Red, Green (sync on green), Blue color
video signal, 5-75ohm loads

MTBF: 15000 Hours

Testing:

Mil Std 810E-Altitude to 50,000 ft., Temp. -40 to 55 °C, Humidity 100%, Vibration Method 514.4, Crash Safety 516.4, Salt Spray, Sand & Dust, Fungus, Explosive Atmosphere, Rain
Mil Std 461E-CE101, CE102, CS101, CS114, CS115, CS116, RE101, RE102, RS101, RS103

Outline and Mounting Drawing

