



BES Systems Ltd.

Airborne Video Server (AVS)

The AVS is a stand alone miniature rugged Unit. The AVS receives two NTSC/RS-170 or PAL video and two audio inputs and streams out **MPEG4** TCP/IP via 10/100BaseT Ethernet.

The AVS is an easy to use video streamer designed to broadcast live video from airborne cameras.

The AVS handles the video and audio MPEG4 compression, and serving over Internet. Viewers do not need to install any special software to view the video stream. It will play directly from standard players such as Quick Time, VLC etc'.

Specifications

- ◆ Video Input: 2 Composite or 2 S-Video Inputs.
- ◆ Video Loopback: 2 Composite Video Loop Back.
- ◆ Video Output: 1 Composite Video Output.
- ◆ Audio Input: 1 Stereo or 2 mono Inputs.
- ◆ Audio Output: 1 Stereo or 2 mono Outputs.
- ◆ Control and Set-up via LAN
- ◆ Supports 10/100Base-T in either half duplex or full duplex. AVS outputs the PHY layer and the output header.

Dimensions

172Lx143Wx 56.6H [mm] with Tray
Weight 800gr

Power Supply requirements

18-36VDC per MIL-STD-704D.

Interfaces

Function	On Unit Connector Part Number	On Cable Connector Part Number
Power In	HDC9M5R800C	M24308/2-1F
Video In	HDC15M5R800C	M24308/2-2F
Video Out	HDC15F5R800C	M24308/4-2F
LAN	DD15F4R800C	M24308/4-11F



Environment

The cooling of the AVS is accomplished by heat natural convection from its surface.

Temperature:

The AVS will not be damaged or affected by the effects of ambient air temperature as follows:

Operating: The AVS meets performance requirements specified herein after exposure to temperatures from -40° to +71°C

Non-operating: (Storage/transportation) from -54° to 85°C.

Relative humidity

Operating: 95% relative humidity (RH) with no condensation.

Non-operating: 95% RH.

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6B Tfuzot Israel St. Givataim Israel 53583

Tel: 972-3-571-4998 Fax: 972-3-571-5085 Email: asherlav@bes.co.il



Airborne Video Server (AVS)

Vibration

According to MIL-STD-810F for airborne environment.

Shock

According to MIL-STD-810F, 40g for duration of 11msec.

Fungus

The AVS is non-nutrient to fungus growth according to the requirements in MIL-STD-810F.

Sand and Dust

The AVS operates as specified herein while and after being subjected to sand and dust as encountered in dry arid areas according

Salt Fog:

The AVS is resistant to the corrosive effects of salt fog environment according to MIL-STD-810E.

Electromagnetic Interference

The AVS as specified complies to the requirements of MIL-STD-461E.

Reliability:

The AVS has an MTBF of 30,000 hours at 40°C .

Mean Time To Repair (MTTR) does not exceed 30 minutes

