

Airborne video cameras

VCU-05 video control unit



Our VCU-05 video control unit provides switching, power and control interface between aircraft systems and the camera system and/or security system. It incorporates a video switcher for direct selection of one of eight NTSC video sources and also passes all eight inputs through to the aircraft video distribution system.

The VCU also provides the control signals for the CMZ series zoom cameras and the security system recorder. It accepts keyline or RS-485 data bus control signals from the aircraft system for operational control.

Specifications

Part number	100-2415-01
Maximum weight	3.5 lb (1.59 kg)
Dimensions:	3.0 (H) x 8.3 (W) x 6.5 (H) in. (76 x 211 x 165 mm)
Finish	Powder coated, black / gold chem-film
Mounting	4x 10-32 fasteners (flange mount)
Power requirements	28 VDC, 45W maximum (for eight cameras)
Video output	VBS, 1.0 Vp-p at 75 , negative sync
Mating connectors	J1-MS27473E18A32S J2-MS27473E18A32P J3-MS27473E20A41P
Television system	EIA RS-170 (NTSC monochrome) / NTSC 3.58 composite
White balance	N/A
Camera / video source interface	Eight 12VDC power outputs Eight video inputs RS-422 Control Bus [Zoom]
Security System Interface	Recorder control bus Security RS-485 bus Syspwr battery bus Security video output (8 x1)
Aircraft Video System Interface	Keyline controls [zoom camera functions, system off, video select] Cabin RS-485 control bus Eight pass-through video channels One 8 x 1 switched output (RS-485 or keyline selectable)

Controls

- Camera/video switched output select
- System on/off
- Input configuration (number of Inputs)
- CMZ zoom camera control
- Security system interface

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