

Video Switch Unit



AD Aerospace's FV-0530 is an airborne switcher designed to control images from external and/or internal cameras installed on board an aircraft. The unit is designed to be fitted in the cabin overhead (above ceilings) on B777 or B737 aircraft.

The unit is used as a security feature, across all Boeing models, and is therefore designed with the restrictions of the SCSRD (Standard Cabin Systems Requirement Document) Boeing D6-36440 Rev C.

Unit power input is protected by a 1A anti-surge fuse. Unit will also provide 24V output for peripherals, protected by a 0.65A resettable fuse.

Specifications

Size	376mm x 279mm x 109mm
Weight	4.0kg Maximum
Connectors	<ul style="list-style-type: none"> • Radial EPXB P/No: 617610182 • 9 pin standard D type for configuration
Material	<p>Box: 1.6mm Al Alloy sheet BSEN 485:3103H4/5251H22 or 6061T4</p> <p>Backplate: 3mm Al Alloy sheet BSEN 485:3103H4/5251H22 or 6061T</p>
Video Input	The unit has 4 composite NTSC video inputs. Unit caters for both unbalanced and balanced video input.
Discrete input	<p>The unit has 20 discrete inputs, active Low, where Low is defined as less than 3.5 Volts.</p> <p>There is an additional discrete input, in the form of a Program Pin, which changes the mode of operation of the unit from 737 mode to 777 mode.</p>
Output	The unit outputs three composite video channels, each able to be selected independently and have OSD camera titling. The unit caters for both unbalanced and balanced output video



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Specifications continued	
Discrete Output	<p>The unit has 4 discrete outputs, active Low, capable of sinking 80mA each from a 28V source.</p> <p>An OSD function is included in the design to enable text to be defined and superimposed on the video.</p>
Power	<p>Maximum under normal operating conditions of 1.0 A at 115V 400HzAC to RTCA Do160D.</p>
Environmental Specification	<p>RTCA DO160D, for cabin overhead mounted equipment c.</p>

