

HighSpeedKVMSwitch



Thruput Limited Supply high speed switches for use with 2Kx2K and 2.5K x1.6K monitors in Enroute and Terminal ATC units worldwide.

Left: The GFSW02 installed prior to cabling.

Thruput High speed video switch offers:

- 2048x2048 resolutions switching with no degradation
- Fail Safe to master system
- Sony DDM compatible with 5 BNC connectors
- Separate inputs for RGBHV and Composite Video
- Flexible control options: front panel or remote RS232 2
- Auto switching capability (individual channels)

The GF SW 02 is designed for Air Traffic Management applications. The system offers two inputs for RGBHV format signals and two inputs for Composite Video signals.

Selection of inputs can be made via the built-in front panel control or via RS-232. In addition, it may be preset to auto-switch on each individual Video/Sync channel.

Thruput provides Video switching for the Sony DDM and subsequent LCD panels



Switching modes

- INDEPENDENT: for each type of signal.
- FOLLOW: In which audio can be assigned to follow with RGBHV or with Video or with both.
- PRESET: Provides Sync Delay switching, a feature that eliminates the "glitch" normally associated with switching between high resolution RGB types sources. The Sync Delay feature is intended for RGBS and RGBHV format signals.

General

Input	RGBHV: 2x5 BNC Female Video: 2x VGA Female
Output	RGBHV: 1x5 BNC Female Video: 1x VGA Female
Video	RGBHV, RGBS, RGsB, Component Video (Y, R-Y, B-Y), S-Video (Y/C), Composite Video. All Video/Sync channels pass both video and sync.

Electrical

Input	Analog: -10V to +10V (+/-10V p-p max.) Impedance: 50ohms (unselected inputs) Input Sync Signal: Composite Sync: TTL (+/-), Analog 0.3-1.0V Syncon Green: -0.3V Impedance: pass-through	
Output	Analog: -10V to +10V (+/-10V p-p max.) Fall/Rise Time: 0.8ns Impedance: 50ohms (pass-through) Output Sync Signal: Composite Sync: TTL (+/-) Syncon Green: -0.3V Impedance: pass-through	
Frequency Compatibility	Horizontal/Vertical: 15 to 200kHz/30 to 190Hz Bandwidth: 1100MHz @ -3dB Cross-talk: -48dB @ 10MHz Coupling: DC	

Physical

Size	2U high 19" rackmount
Temp	Operating 10 to 35°C Maximum 50°C
Humidity	90% non-condensing
MTBF	40,000 hrs (calculated)

Below: Front panel showing the Sony DDM interfaces (left) and conventional Keyboard, Mouse and Video interfaces (right)



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