

2600 range 4x1 video routing matrix

Introduction

The 4x1 video routing matrix is in the expanding 2600 range which provides the necessary interfacing for analogue audio and video equipment in a 2U frame format with each module having its own independent power supply. Designed to the highest specifications and meeting all relevant international standards including CE approval, modules can be used individually or mixed with others in the range to increase the functionality.

Up to 9 modules can be housed in the 5AV2645 2U rack mounting frame, up to 4 in the 5AV2641 1U frame and up to 2 in the 5AV2642 portable case.

Description

These composite analogue video routers can be combined and configured to operate as YUV, YC, RGB and RGBS.

Features

- Compact 4x1 routing switcher that can be mixed with all other 2600 series modules in the standard 1U or 2U rack mounting frames or the portable case.
- Can be combined and configured for YUV, YC and RGB or RGBS switching.
- Front panel and / or remote control.
- On board independent power supply.
- Serial control interface.



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Specification

VIDEO

Input

| | |
|-----------------------|-----------------------------------|
| Number | 4 BNC |
| Impedance | 75Ω terminated |
| Return loss | <-52dB to 15kHz, <-46dB to 5.5MHz |
| Superimposed dc (max) | 1V |
| Level | 1Vp-p ±3dB |

Output

| | |
|-------------------|-----------------------------------|
| Number | 1 BNC |
| Impedance | 75Ω |
| Return loss | <-46dB to 15kHz, <-40dB to 5.5MHz |
| Superimposed dc | clamped or dc servo (selectable) |
| Electrical length | 25nS |
| Timing spread | ±1° |

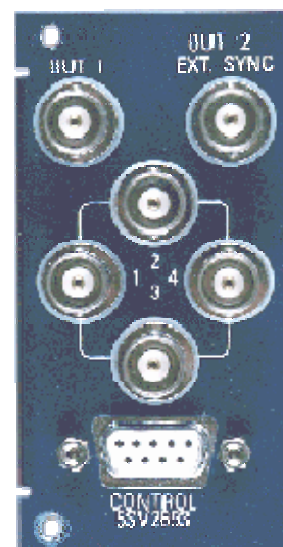
Performance

| | |
|----------------------------|-----------------|
| 2T pulse to bar | 0.2% K |
| 2T bar | 0.2% K |
| 2T pulse | 0.2% K |
| 50Hz square wave | 0.2% K |
| Differential phase | 0.2° |
| Differential gain | 0.2% |
| Luminance non-linearity | 0.1% |
| Y/C gain inequality | ±0.5% |
| Y/C gain delay | ±1nS |
| Cross-talk | <-60dB @4.43MHz |
| Luminance noise weighted | <-80dB |
| Chrominance noise weighted | <-75dB |

CONTROL

| | |
|-----------|--------------|
| Standard | RS-485 |
| Protocol | DTL |
| Connector | 9 way D type |

NB Measurements refer to the 5SV2692M video matrix & 5SV2693 in a 5AV2645 frame.



Ordering information

| Part number | Description | Weight | Height | Width | Depth |
|-------------|--|--------|--------|-------|-------|
| 5SV2692M | Master 4x1 video switcher module including front panel control | 635g | 88mm | 44mm | 300mm |
| 5SV2692S | Slave 4x1 video switcher module | 620g | 88mm | 44mm | 300mm |
| 5S2693 | 4x1 video rear connector | 210g | 88mm | 44mm | 120mm |
| 9MW26901 | Slave switcher front panel | 10g | 88mm | 44mm | N/A |
| 5S2696 | Married/remote cable for up to 3 modules | N/A | N/A | N/A | N/A |

We reserve the right to change technical specifications without prior notice. E&OE.

LOCAL
DISTRIBUTOR

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