

DTL 2600 range



Specification

Input/Output characteristics				
Inputs	4			
Input impedance	75Ω terminated			
Input return loss	<-52 dB to 15 kHz			
	<-46 dB to 5.5 MHz			
Input superimposed dc (max)	1 V			
Input/output level	1 Vp-p ±3dB			
Output impedance	75Ω			
Output return loss	<-46 dB to 15 kHz			
	<-40 dB to 5.5 MHz			
Output superimposed dc	clamped or dc servo (selectable)			
Electrical length	25 ns			
Timing spread	±1°			
Linear Distortion:				
2T pulse to bar	0.2% K			
2T bar	0.2% K			
2T pulse	0.2% K			
50Hz square wave	0.2% K			
Non-linear Distortion:				
Differential phase	0.2°			
Differential gain	0.2%			
Luminance non-linearity	0.1%			
Y/C gain inequality	±0.5%			
Y/C gain delay	±1 ns			
Unwanted outputs:				
Crosstalk	<-60 dB @ 4.43 MHz			
Luminance noise weighted	<-80 dB			
Chrominance noise weighted	<-75 dB			
NB Above measurements refer to the 5SV2692M matrix with the 5SV2693 rear connector unit in a 5AV2645 frame.				
Physical				
	Weight (kg)	Height (mm)	Width (mm)	Depth (mm)
5SV2692M	0.635	88	44	300
5SV2692S	0.620	88	44	300
5S2693	0.210	88	44	120
5S2694	0.200	88	44	N/A
9MW26901	0.010	88	44	N/A
5S2696	N/A	N/A	N/A	N/A
5S2695	0.800	44	483	N/A

User Guide



5SV2692M 4x1 analogue video routing matrix

DTL Broadcast Ltd, Johnson's Estate, Silverdale Road, Hayes, Middlesex, UB3 3BA, UK
 Phone: +44 (0) 20 8813 5200 Fax: +44 (0) 20 8813 5022
 Internet: www.dtl-broadcast.com support@dtl-broadcast.com

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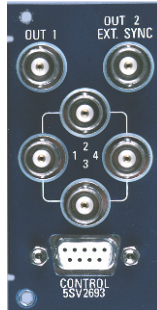
Features

- Compact 4x1 routing switcher which can be mixed with all other 2600 series modules in standard 1RU or 2RU mounting frames.
- Units 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 within system levels and remote control panels.

Installation

Systems are generally delivered with modules (including sub-modules) and associated rear connector units already installed and configured within frames to your requirements.

Before installing or re-arranging modules and rear connector units in 2600 series frames the 2600 range and frames user guide should be consulted. Section 1.3 'Safety and pre-installation checks' includes instructions that must be followed. Section 2 describes how to install or re-arrange modules and rear connector units in 2600 series frames.



Rear connector units

With pre-configured systems input and outputs connections only need to be made before the system is operational. The 5SV2692M and 5SV2692S each use a 5SV2693 rear connector unit. Rear connector units are fitted with BNCs. Inputs and Outputs connections are shown clearly on the rear connector units.

Front module

The 5SV2692M module is fitted with the front control panel and DIP switches configured for a master unit (refer to table 3). The 5SV2692S module is fitted with a blank front panel and DIP switches configured for a slave unit.

Switch	Function
1	Always ON
2	Always ON
3	OFF= Master ON= Slave
4	OFF= N/A ON= Video

Table 3

NB Any links fitted should not be changed.

Remote control unit

The 5S2694 video remote control panel can be connected via the 9 way D-type socket on the 5SV2693 rear connector unit. Whilst the remote control unit is effectively a de-mountable front panel from a master module, it is supplied with a metal case for fixing it to the 5S2695 rack mounting strip (which takes up to 4 panels) for EMC compliance.

If supplied with the 5S2696 married/remote cable, up to 3 routing switchers can be cascaded and a 9-way D type socket is supplied to connect a cable for remote panel(s).

The 9-way D-type connections are as follows:

Control on 9-way D-type connector	
D type pin	Use
1	Tx
	6 Tx
2	Rx
	7 Rx
3	Gnd
	8 Gnd
4	VI
	9 +5V
5	+5V

Operation

With the sliding switch in position I (enable), a source can be selected by pressing the appropriate button (in which the lamp will light to confirm the cross-point has been selected).

With the sliding switch in position O (disable) the panel only shows tallies. When operated with local and remote panels the matrix operates on a last takes precedence basis. However the sliding switch may be used to disable selection by one of the panels (but tallies will still be shown).

Ordering information

5SV2692M	Master 4x1 video switcher module including front panel control
5SV2692S	Slave 4x1 video switcher module
5S2693	4x1 video rear connector
5S2694	4x1 video remote control panel
9MW26901	Slave switcher front panel
5S2696	Married/remote cable for up to 3 modules
5S2695	19" rack mounting panel for up to 4 remote 5S2694 control panels