



MAX1616

Cross-Point Video Switching Matrix - 16 inputs / 16 outputs



Introducing the IRIS-MAX1616 Video Cross-Point video switcher from Iris Innovations!

For larger 'on board' cameras systems, or where you must be able to switch different camera feeds to different monitoring positions without limitations, the IRIS MAX1616 cross point matrix features 16 camera inputs which can be switched to any, or all, of the units 16 video outputs.

The MAX1616 is at the top of the tree when it comes to maximum flexibility, reliability (now available with dual redundancy power inputs) and simplicity. Just hook up your camera video feeds, monitors and controller and away you go.

The MAX1616 is built into a standard 19" / 1U rack enclosure and the device is available with either front panel controls (MAX1616P) or with a plain front panel.

Remote control of the MAX1616 is achieved by combining one of our range of marine joysticks, such as our IRIS516 or IRIS595 waterproof controllers.

Key Features:

- No restrictions on switching (ie, any camera to any monitor)
- Allows multiple users to view different video feeds
- Control remotely via IRIS516 or IRIS595 keypad
- Dual Redundancy Power Supplies
- Additional RS232 Serial Data Port
- Ethernet port for control via web built interface
- NEW - RS485 interface to simplify installation
- Additional Audio via 25W connector on rear
- MAX1616P features front panel operation
- Low Loss / Excellent video quality

Inputs	16
Outputs	16
Enclosure Type	1U 19" Rack
Size	19" x 1.75" x 6"
Weight	5.0lbs
Power	12VDC Isolated PSU - 5A Adapter Supplied
Power Connector	Dsub9 Male
Ethernet	10/100 Base-T Auto MDIX
Video	1.0VP-P (75Ω Composite Video), NTSC / PAL
Video Connector	BNC
Input / Output Impedance	75Ω
Nominal Input/Output Level	1V P-P
Maximum Input/Output Level	± 2V P-P
Input Return Loss	<40dB @ 5MHz Typical
Output Return Loss	<35dB @ 5MHz Typical
Overall Gain Unity	± 1% into a 75Ω Termination
Frequency Response	± 0.1dB to 5MHz / +0 -3dB to 60MHz
Crosstalk	>60dB at 5MHz all hostile
Differential Phase	<0.2 degrees @ 3.58MHz @ 4.43MHz
Differential Gain	<0.2% @ 3.58MHz @ 4.43MHz
S/N Ratio	>75dB 0 to 10 MHz
Communications	RS485 Iris Serial Control
Reference Sync Connector	Analogue BNC with Pass-through
Format	Regulated 12VDC ±10% / 12VDC/24VAC Dual Voltage
Current Consumption	Max 600mA (12VDC / 24VAC)
Environmental	For indoor use only.
Operating Temperature	-30°C - +55°C



Iris's Officially Endorsed range is a new line of products that, whilst not manufactured in house, are rigorously tested before given our seal of approval. Each product within the range has been specially selected to deliver high quality performance within a budget, delivering the very best deal for our customers.

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