



Presentation Powerhouse – The DVI-3571a is a universal presentation switcher / scaler that is ideally suited for use in conference rooms, training facilities, classrooms, auditoriums, and other presentation applications. Today system designers and facility managers often face unpredictable requirements as different presenters can use a wide range of source devices. For each device, the signal format and resolution can vary greatly, making AV signal distribution difficult. The DVI-3571a overcomes these issues through a rich array of Input / Output connections that supports all popular AV input signal formats, as well as providing multiple outputs with user-selectable resolutions. The unit's powerful capabilities provide the flexibility needed to adapt to the ever-changing demands of media-rich presentation environments.

Versatile Video Switching – The DVI-3571a accepts up to eight (8) video inputs: 3x HDMI (or DVI), 3x RGB Analog (VGA), 1x Component Video and 1x Composite Video. Each input supports a broad range of signal formats and resolutions. The selected input signal is routed simultaneously to 2x HDMI outputs and 1x RGB Analog (VGA) output for downstream display and/or processing. Two high performance scaling engines provide user-selectable output resolutions up to 1080p and 1920x1200.

Advanced Audio Routing – The DVI-3571a supports HDMI audio embedding and de-embedding. Each video input is coupled with an analog stereo audio input connection. After passing through an A/D converter, the selected audio input may be embedded in the HDMI output signal, as well as routed to both analog and digital audio output ports. The DVI-3571a also supports user-adjustable audio delay up to 150 ms for lip sync correction.

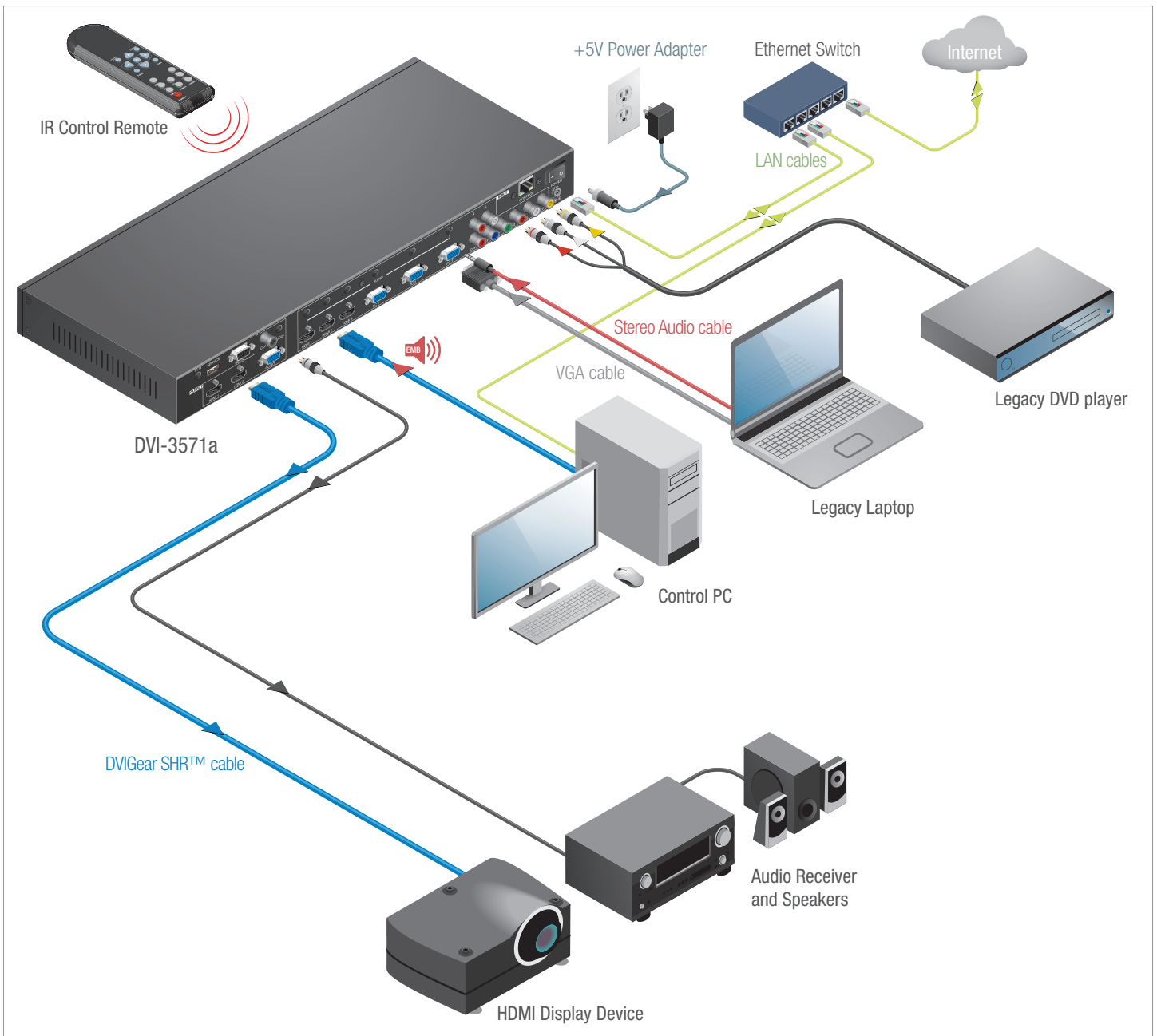
Maximum Control – The DVI-3571a includes a variety of control features, including Ethernet, RS232, IR Remote, and front panel selection. The unit can be easily integrated into a network using its Ethernet port and controlled via a built-in web browser GUI or via a Telnet console. These powerful features allow the unit to be seamlessly integrated into any professional AV system.

FEATURES

- Supports HDTV input resolutions up to 1080p; PC input resolutions up to 1920x1200
- User-selectable HDMI and VGA output resolutions up to 1080p and 1920x1200 / 60Hz
- Includes 8x inputs: 3x HDMI / DVI, 3x RGB Analog, 1x Component Video, 1x Composite Video
- 3x mirrored outputs: 2x HDMI, 1x RGB Analog
- Each video input is coupled with an analog stereo audio input port for audio embedding
- Supports audio embedding and de-embedding; includes digital S/PDIF and analog audio outputs
- Supports HDMI / DVI input signals with or without HDCP encryption
- Controllable using Ethernet, IR remote control, RS-232, and front panel pushbuttons
- Built-in web browser GUI control
- Screw-locking DC power connector for added security
- Rugged 1U metal enclosure, rack mounting ears included



STAND ALONE DIAGRAM



SUPPORTED INPUT FORMATS AND RESOLUTIONS

Input Resolution	Vertical Rate (Hz)	Scan Format	Signal Format / Connectors
720 x 480	60 (NTSC)	Interlaced	Composite Video via 1x RCA Component Video (YCbCr) via 3x RCA RGB,H,V via HD15 and HDMI
720 x 576	50 (PAL)	Interlaced	
720 x 480	60	Progressive	Component Video (YPbPr) via 3x RCA RGB,H,V via HD15 and HDMI
720 x 576	50	Progressive	
1280 x 720	50, 60	Progressive	
1920 x 1080	50, 60	Progressive	
1920 x 1080	50, 60	Interlaced	
640 x 480	60	Progressive	
800 x 600	60	Progressive	RGB,H,V via HD15 and HDMI
1024 x 768	60	Progressive	
1280 x 768	60	Progressive	
1360 x 768	60	Progressive	
1280 x 720	60	Progressive	
1280 x 800	60	Progressive	
1280 x 1024	60	Progressive	
1440 x 900	60	Progressive	
1400 x 1050	60	Progressive	
1680 x 1050	60	Progressive	
1600 x 1200	60	Progressive	
1920 x 1200	60	Progressive	

SUPPORTED OUTPUT FORMATS AND RESOLUTIONS

Output Resolution	Vertical Rate (Hz)	Scan Format	Signal Format / Connectors
720 x 480	60	Progressive	Analog Component Video (YPbPr) via HD15 to 3x RCA adapter cable Digital Component Video via HDMI
720 x 576	50	Progressive	
1280 x 720	50, 60	Progressive	
1920 x 1080	50, 60	Progressive	
1920 x 1080	50, 60	Interlaced	
640 x 480	60	Progressive	Analog RGB via HD15 Digital RGB via HDMI
800 x 600	60	Progressive	
1024 x 768	60	Progressive	
1280 x 768	60	Progressive	
1360 x 768	60	Progressive	
1280 x 720	60	Progressive	
1280 x 800	60	Progressive	
1280 x 1024	60	Progressive	
1440 x 900	60	Progressive	
1400 x 1050	60	Progressive	
1680 x 1050	60	Progressive	
1600 x 1200	60	Progressive	
1920 x 1080	60	Progressive	
1920 x 1200	60	Progressive	

SPECIFICATIONS

Performance	
Format Compliance	HDMI v1.2, HDCP v1.1 and DVI v1.0
Video Input Formats	Composite Video: NTSC or PAL; Component Video: YPbPr / YCbCr; HD15: RGB,H,V; HDMI: RGB
Maximum Pixel Clock Frequency	165 MHz
Maximum Video Bit Rate	1.65 Gbps (single-link)
Supported Color Depth	8-bit
Audio Input Formats	HDMI: embedded audio; Analog Stereo Audio: 20KΩ impedance
Audio Output Formats	HDMI: embedded audio; Analog Stereo Audio: 20KΩ impedance; Digital Audio (S/PDIF): 75Ω impedance
Audio Bandwidth	20 Hz to 20 kHz
Audio Sampling Rate	48 kHz, 2CH, LPCM
Audio Levels	Stereo Audio: unity, nominal; S/PDIF: 0.5 - 1.0 Vpp
Audio Delay Adjustment	Off, 40ms, 110ms, 150ms
Input Connections	
Composite Video Input	1x RCA female connector; Stereo Audio on 2x RCA female connectors
Component Video Input	1x 3x RCA female connectors; Stereo Audio on 2x RCA female connectors
Analog RGB Input	3x HD15 (VGA) female connectors; Stereo Audio on 3x 3.5mm PC audio female connectors
HDMI Input	3x HDMI 19-pin female connectors; Stereo Audio on 3x 3.5mm PC audio female connectors
Power Input	1x Screw-locking 5.5 mm / 2.0 mm female connector
Output Connections	
HDMI Output	2x HDMI 19-pin female connectors
Analog RGB Output	1x HD15 (VGA) female connector
Digital Audio Output	1x S/PDIF on RCA female connector
Analog Audio Output	1x Stereo Audio on 3.5mm PC audio female connector
Scaling Engine	
Phase Lock Loops	8-bit, Triple-Analog-to-Digital Converter
De-Interlacing	3D Motion-Adaptive De-Interlacing
Pull-Down	3:2 with 2:2 recovery
Noise Reduction	3D
Display Settings	Contrast, Brightness, Hue, Sharpness, Saturation, R-G-B Levels, Aspect Ratio, Noise Reduction
Control	
Front Panel	13x Buttons with On-Screen Display navigation
IR Remote Control	IR Remote Control with On-Screen Display navigation
RS-232	Serial communication, 9 pin
Ethernet	Web browser GUI or TelNet
Mechanical	
Dimensions (H-W-D)	1.9" x 17.0" x 7.2" (47.0 mm x 432.0 mm x 183.0 mm)
Weight	4.9 lbs. (2.2 Kg)
Construction	Heavy-duty 1mm metal enclosure with jet black finish
Mounting Options	Rack Mount Ears, 1U full width
Environmental	
Temperature	Operating: +32° to +104° F (0° to +40° C) Storage: -4° to +140° F (-20° to +60° C)
Humidity (storage / operating)	20% to 90% (non-condensing)
Power Requirements	
External AC Power Adapter	Input: 100~240VAC / 50-60Hz, Output: 5VDC, 2.6A
Power Consumption	5 VDC, 2.2 Amps, 11 Watts
Regulatory Approvals	
Switcher / Scaler unit	FCC, CE, RoHS
AC Power Adapter	FCC, CE, UL, C-UL, CEC, GS, PSE, RoHS
Warranty	
Limited Warranty	3 Years Parts and Labor
Model Number	
DVI-3571a	Universal Presentation Switcher / Scaler
Accessories Included	
1x External AC Power Adapter, 1x IR Remote Control Unit, 1x IR Receiver, 1x User Guide, 4x Rubber Feet, 1x Rack Mount Ears Set, 1x HD-15 to 3-RCA adapter cable	
Optional Accessories	
International AC Power Adapter (Euro, UK, Australia)	