

Professional Universal Matrix switcher in 4x4 I/O configuration

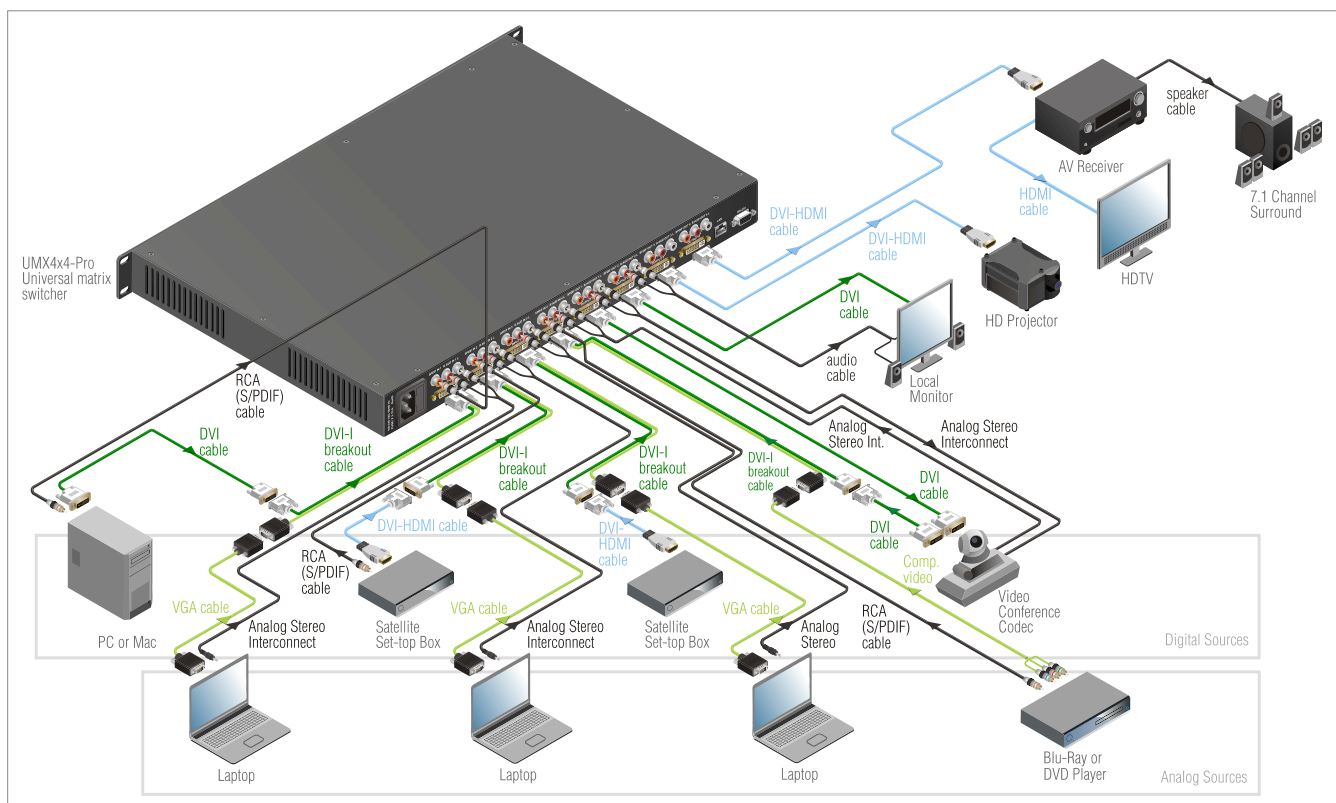


UMX4x4-Pro, the all-round Universal Matrix Switcher, is the perfect solution for ever-changing environments such as small board rooms and classrooms. UMX (Universal Matrix) technology was recently developed by Lightware to support various analog and digital audio visual formats. VGA, YUV, digital DVI, HDMI 1.3 with HDCP, stereo analogue and S/PDIF digital audio signals are all supported.

Each Input port incorporates an individual EDID Manager, a video A/D converter and a Digital/Analog video switch. No frame delay occurs if an analog signal is digitized. Each port contains an auto sync function, but the picture parameters can also be fine-tuned manually. The built in Frame Detector and graphical signal analyzer helps make precise adjustments and our Pixel Accurate Reclocking technology provides exceptional signal regeneration capability. UMX4x4-Pro has the ability to input HDMI with embedded audio and DVI with HDCP encryption, VGA, component video and Analog or Digital audio. De-embedding audio from the incoming HDMI stream, re-embedding at output from a different audio source and even routing audio separately from video is easily handled with the UMX switcher. Up to 8 video sources can be connected to the system, 4 digital and 4 analog, with 4 accessible simultaneously.

With the additional features, such as as RS-232 and IP control and a comprehensive software suite, the UMX4x4-Pro is our most powerful and adaptive matrix yet.

Typical application in small conference room



Applications

- Small classrooms
- Conference rooms, collaborative telepresence
- Control room
- Multiroom video
- Home cinema

Features

- Accepts VGA, YUV, DVI and HDMI 1.3 signals on each Input
- Accepts Analog Stereo; 5.1 S/PDIF and even 7.1 HDMI embedded audio signals on Input ports
- Zero frame delay – Even on Analog Inputs
- Audio de-embedding from HDMI signals
- Audio embedding on Outputs
- All analog signals are converted to Digital formats
- HDCP compliant
- RS-232 and IP control
- Advanced EDID Management
- Built-in webpage

Supplied accessory



DVI-I Breakout Cable

Specifications

Routing:	4x4 video & 4x4 audio - any Input(s) to any Output(s)
Resolution:	up to 2048x1080 or 1920x1200 or 1080p
Input cable equalization:	30 m digital DVI or HDMI only
EDID memory:	100 EDID
Programmable EDID memory:	50 EDID
EDID support:	256 byte Extended EDID
HDCP compliant:	yes
Front panel buttons:	yes
Power:	100 - 240 V AC
Power consumption:	15.2 W (typ), 25.3 W (max)
Heat dissipation (BTU):	52 (typ), 86 (max)
Enclosure:	1U rack mount metal
Dimensions:	446(482)W x 413D x 43,9H mm
Weight:	5 Kg
Compliance:	CE
Warranty:	3 years

Connectors

Video Input:	4 x 29 pole DVI-I connector
Video Output:	4 x 29 pole DVI-D connector (digital only)
Audio Input:	4 x S/PDIF (Digital); 4 x L+R RCA (Analog Stereo)
Audio Output:	4 x S/PDIF (Digital); 4 x L+R RCA (Analog Stereo)
Ethernet:	RJ45
RS-232 or 422:	9-pole D-sub
Power:	IEC 230V

Front and rear view



UMX4x4-Pro front view



UMX4x4-Pro rear view