

## Dual Link DVI signal processor



Lightware DVI Doctor is a multifunctional DVI signal conditioner and processor. It equalizes 60 meter DVI cable, reclocks the signal, boosts the output signal level and emulates EDID. The unit was designed for professional usage, like rental and staging, fix installations, etc. For best reliability it is housed in rugged metal enclosure with built in universal power supply, EDID Management, and intuitive LCD display for menu navigation.

DVI Doctor can trick the HDMI or DVI source (PC computer, laptop, etc.) emulating any DVI or HDMI display (LCD monitor, projector) for continuous video output, even if the attached display is disconnected, or powered down. With EDID emulation, the user can set up any output resolution and audio capability, regardless of the used projector or monitor, this way the overall system's resolution can be controlled. The EDID memories from 01 to 49 are factory presets, the memories from 50 to 99 are user programmable. Memory 00 is transparent, that means the attached display device's EDID (monitor or projector) will be repeated to the source computer. In this mode the unit works as a simple repeater or cable extender. Output signal is reclocked to remove jitter caused by long cables or poor quality DVI sources.

### Applications

- Rental and staging
- Post production studios
- Dual link or Single link DVI cable extension
- Custom resolution and refresh rate EDID emulation
- Audio channel emulation
- 3D applications

### Features

- 60 meter long DVI cable compensation at input
- 100 EDID emulation including CEA standard HDTV resolutions
- HDCP signal pass through
- Output level adjustment
- Output preemphasis adjustment
- Robust metal housing for rental and staging applications
- Signal detection, Source detection and Monitor detection LED
- Keeps source's HDMI or DVI output continuously active

### Connectors

Input / Output:	24 pole DVI-D connector
Power:	IEC
RS232:	9 pole Dsub

### Specifications

Bandwidth per TMDS channel:	1.65 Gbps
Resolution:	3840x2400 or 4096x1080 max
Input cable equalization (automatic or adjustable):	+40 dB max
Output level (1000mV standard):	1000 - 1187mV
Output preemphasis ( 0mV standard):	0 - 187.5 mV
HDCP pass through:	Yes
PLL reclocker bandwidth (adjustable):	0.5 - 4 MHz
Power:	100/240V AC 50/60Hz 0.7A
Power consumption:	10W
Enclosure:	1mm metal
Dimensions:	221W x 181D x 42,2H mm
Net weight:	1400 gramms
Warranty:	3 years