



Second generation extender to transmit Dual head DVI video as well as transparent USB over CATx cable

## ADDERLINK X-DVI PRO MS

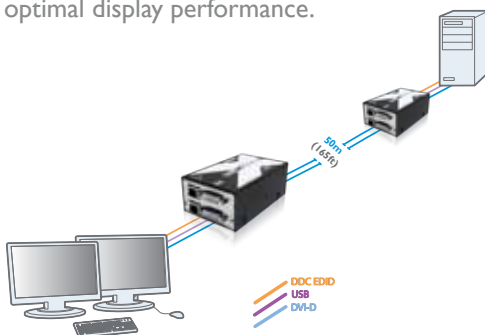
Two single link DVI or two HDMI 1.3a video streams, transparent USB and audio over CATx cables

### PRODUCT IN BRIEF

The ADDERLink X-DVI PRO-MS is Adder's second generation extender to transmit two DVI video streams or two HDMI streams, Audio, USB 2.0 and audio over CATx cable.

The ADDERLink X-DVI PRO-MS allows users to extend control of any computer with multiple screen outputs and USB 2.0 over distances up to 50 meters with resolutions up to 165 MPixels per second (e.g. 1920x1200 @ 60Hz or 3840 x 2400 @ 17Hz).

In operation, the X-DVI PRO-MS is truly plug and play, capturing full EDID data from the screen ensuring your hardware is always setup to deliver optimal display performance.



### FEATURES

#### Full single link DVI extender

The ADDERLink X-DVI PRO-MS extender is designed to deliver two single link DVI digital video resolutions up to 165 MPixels per second. 165MPixels per second is the maximum data rate available on single link DVI connections, and is achieved without the need to compress data in any way. Resolutions supported by single link DVI range from 640 x 480 @ 60 Hz (25 MPixels/s) through to 3840 x 2400 @ 17Hz (164 MPixels/s).

#### HDMI 1.3a operation

By using HDMI to DVI converter cables, the ADDERLink X-DVI PRO-MS can support HDMI Video and Audio up to the 165MHz clock rate (1920 x 1080 @60Hz 24bit color) 8 channels of HDMI audio is supported with sample sizes of 16, 20 or 24 bit at 32KHz, 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, or 192kHz (simultaneously with the jack audio). It does not support HDCP or CEC control.

#### CD quality audio extension

Two audio extension ports (stereo channel 16 bit audio ports sampled at 44.1KHz -CD quality) are available to transfer audio from local to remote for a line out / headphone use case.

#### USB 2.0 transparent connection

Delivers bidirectional USB 2.0 (low speed / full speed) data allowing you to extend any USB device up to 50 meters over the same CATx cables.



This makes the X-DVI PRO perfect for distributed workstations where you want to reduce environmental concerns such as heat and noise. A typical example of this would be post production suites. By centralising your workstations, you can also extend operational life-span by ensuring optimal temperature control, and minimal physical disturbance.

#### CATx distribution

ADDERLink X-DVI PRO-MS requires one CATx (CAT7a recommended) cable per video head. The X-DVI PRO-MS delivers video alongside USB data and audio over a single CATx cable. Dependent upon cable type, quality and connections distances may vary. See Technical specification for detailed rules.

The extended profile DDC EDID data from the display is captured to ensure that your system is configured to deliver optimal video performance.

#### Intelligent cable modelling

The X-DVI PRO-MS has been designed to be used in many different environments across many different types and makes of cable. To ensure the quality of your DVI signal is always optimal, Adder have modelled a broad range of cables and integrated these models into the X-DVI PRO-MS. As a result, the user has greater flexibility over the CATx connection, allowing you to make use of existing CATx infrastructure.

# ADDERLINK X-DVI PRO MS

Two single link DVI or two HDMI 1.3a video streams, transparent USB and audio over CATx cables

## ABOUT ADDER

Adder is a leading developer and thought leader in connectivity solutions. Adder's advanced range of KVM switches, extenders and IP solutions enable the control of local, remote and global IT systems across the enterprise. The company distributes its products in more than 60 countries through a network of distributors, resellers and OEMs. Adder has offices in the United States, United Kingdom, Germany, the Netherlands, Sweden, China and Singapore.

To find out more, visit:  
<http://www.adder.com>

## TECHNICAL SPECIFICATIONS

### Video Resolution

Single link DVI video resolution up to a maximum pixel rate of 165MP/s  
HDMI operation 1920 x 1080 @60Hz 24 bit colour

### Extension Distance

See table below

### O/S Compatibility

Operating system independent

### Connectors (local / remote)

Local end: 2 x DVI-D, 2 x USB B, power jack, 2 x 3.5 mm audio jack socket and 2 x RJ45

Remote end: 2 x DVI-D, 4 x USB A, power jack, 2 x 3.5mm audio jack socket and 2 x RJ45

### Physical design

Local: All metal case, 120mm / 4.7" (w) x 75mm / 3" (d) x 48mm / 2" (h) 500g / 1.1 lb.

Remote: All metal case, 120mm / 4.7" (w) x 75mm / 3" (d) x 48mm / 2" (h) 500g / 1.1 lb.

## ORDERING INFORMATION

AdderLink X-DVI PRO: X-DVIPRO-MS-XX

XX = Mains Lead Country Code:  
UK = United Kingdom  
US = United States  
EURO = Europe  
AUS = Australia

## ADDITIONAL ACCESSORIES

Rack mount plate, screws included: X-RMK-FASCIA-DUAL  
Rack mount chassis: X-RMK-CHASSIS  
HDMI to DVI Cables: VSCD-X

### Power

100 - 240VAC, 50/60Hz input – 5V, -12W output for both local and remote

### Operating temperature

0°C to 40° / 32°F to 104°F

### Approvals

CE, FCC

### Cable recommendation:

Daetwyler Uninet 7702 Flex 4P

## RELATED PRODUCTS

Adder offer a vast range of products to suit your needs. Other products you may be interested in include:

**ADDERLink INFINITY**  
ALIF1000P; ALIF1000R;  
ALIF1000T



**ADDERLink X50**  
X50



**ADDERLink X50 MS**  
X50-MS



**ADDERLink X-USB PRO**  
X-USBPRO



**ADDERLink X200**  
X200R; X200A/R;  
X200AS/R



Scheme	Resolution	Frequency	Data Format	Data Rate	Cable	Distance
HDTV	1920x1080	60Hz	CVT-R	139MP/s	CAT7a	60 Meters
UXGA	1600x1200	60Hz	GTF	161MP/s	CAT7a	60 Meters
WUXGA	1920x1200	60Hz	CVT-R	154MP/s	CAT7a	60 Meters
HDTV	1920x1080	60Hz	CVT-R	139MP/s	CAT6a	55 Meters
HDTV	1920x1080	60Hz	CVT-R	139MP/s	CAT5e	45 Meters
SXGA	1280x1024	60Hz	CVT-R	108MP/s	CAT7a	70 meters
SXGA	1280x1024	60Hz	CVT-R	108MP/s	CAT6a	65 meters
SXGA	1280x1024	60Hz	CVT-R	108MP/s	CAT5e	55 meters

### Note:

Distances are achieved using single lengths of trunk/bulk cable. For each break/patch connection reduce distance by 5 meters. For resolutions/data rates of less than 1280x1024 / 108MP/s, add 10 meters. Preferably patch cables should be of type CAT7a and less than 2 meters. Patch cables over 2 meters must be CAT7a.



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