KVMA switch to share Video and USB between multiple sources
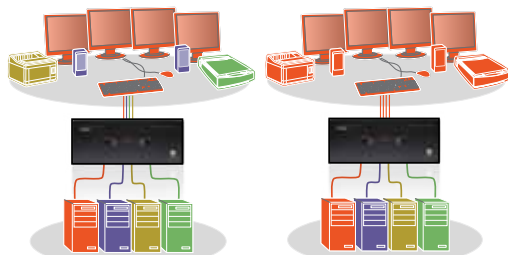
ADDERView 4PRO-DVI-MS

Ultimate flexibility for sharing high-res screens and USB peripherals

PRODUCT IN BRIEF

The AV4PRO-DVI-MS is designed to enable four multihead computers to be controlled from a single high resolution KVM console using either dual link DVI or high definition analogue video links. The switch makes use of Adder's True Emulation technology which enables USB HID devices to be continu-ously emulated to each computer. This unique technology enables instantane-ous and reliable hotkey switching whilst also supporting the extra keys and features of enhanced keyboards and mice. Furthermore, the ADDERView includes two independently switchable USB 2.0 channels and an audio channel, giving the user the flexibility to attach selected peripherals to different com-puters. Models are available supporting single, dual, triple or quad head DVI or VGA computers.

Independent simultaneous device selection

Switching all connected devices to a single computer

FEATURES

High Definition VGA with extended profile DDC EDID

The ADDERView Pro MultiScreen features full dual link DVI video delivering 4 mega pixel resolutions per head at 60Hz. Because the ADDERView features DVI-I, you can also use a choice of digital or analogue sources. The extended DDC EDID profile ensures that the switched graphics card is always optimized to work with your screen. The dual link DVI capabilities enable users to work at very high resolutions including 2K (2048x1080) on each head for post production or WQXGA (2560x1600) per head for detailed medical imaging.

True Emulation USB 2.0 technology

The AV4PRO-DVI-MS belongs to the first KVMA range of switches to feature Adder's advanced USB True Emulation technology. Emulated USB provides an instantaneous and reliable switching action and makes keyboard hot key and mouse switching possible. Previous implementations have used generic emulations and consequently have only been able to support the most basic keyboard and mouse features.

Adder's revolutionary True Emulation technology overcomes this frustrating limitation by emulating the true character of the connected devices to all the computers simultaneously. This means that you can now use the extra function keys, wheels, buttons and controls that are commonly found on modern keyboards and mice.

Independent simultaneous device selection

Flexibility is key to the ADDERView Pro. The switch enables you to use the KVMA console to work on one computer whilst your USB peripherals are connected to other computers and your speakers are playing music from yet another. You can of course still switch all connected devices to any one of the connected computers as with any other KVM switch.

Channel selection options

The ADDERView Pro can be switched using selectable keyboard hot keys, 3 button mice or the front panel controls. Optionally, you can also use the RC4 remote switch to make your selection. These switching options allow you to rapidly reassign connected devices to any of the connected computers.

Broad USB 2.0 Hi Speed device support

A vast range of USB devices can be connected to the ADDERView Pro, from non standard human interface devices to printers and scanners. This gives great flexibility. For example, you could be scanning a set of documents onto one computer whilst working on another and printing from yet another, all at the same time. The USB 2.0 switching action has been carefully engineered to ensure maximum computer reliability when connecting and disconnecting USB devices.

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FEATURES continued...

Options port for control, synchronisation and upgrade

An 'Options' port enables the AV4PRO-DVI-MS to be remotely switched using simple ASCII codes. When the channel is switched, the same ASCII codes are echoed to the 'Options' port and so, by linking 'Options' ports, two or more units can be switched in synchrony to switch more than 4 video heads. The port enables a 4 button switch unit (RC4) to be used with the ADDERView Pro. The same port can also be used to upgrade the firmware to guarantee that your hardware investment continues to deliver real value well into the future.

TECHNICAL SPECIFICATIONS

Hardware compatibility
All computers with USB interfaces

Software compatibility
Operates with all known software and operating systems including Windows (all), DOS, Linux, Unix, BSD, all Sun OS, all Mac OS, NetWare etc.

Computer connections at switch
USB 2.0 type B, dual link DVI-I (up to 4 per connection), 3.5mm stereo jack

Local KVM console connection
• Video: dual link DVI-I (Dual x 2, Triple x 3 or Quad x 4)
• Keyboard/Mouse: 2 x USB type A
• Switched USB: 2 x USB 2.0 type A
Switched USB: Supports USB 2.0 devices in low, full and high speed modes.
• Audio: 3.5mm stereo jack
• Other Connections: Options (flash upgrade, sync with other AV4PRO-DVI-MS and RS232 triggered power switches): Modular 10P10C

Physical design
2.5U high metal case
26cm (w), 15cm (d), 10cm (h)

Power connection
2.5mm DC jack (power adapter included),100-240VAC 50/60Hz input to power adapter, 5VDC 2A output from power adapter

Operating temperature
0 to 40°C / 32 to 104°F

Approvals
CE, FCC

ORDERING INFORMATION

AV4-PRO-DVI-DUAL-XX: Dual version
AV4-PRO-DVI-TRIPLE-XX: Triple version
AV4-PRO-DVI-QUAD-XX: Quad version

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

ADDITIONAL ACCESSORIES

RMK5PROMS: Rack Mount Kit
VSA11: DVI to VGA adaptor
VSCD1: Single link DVI-D to DVI-D Video cable
VSC22: Audio cable 2m
VSCD3 (2m); VSCD4 (5m): Combined dual link DVI-D and USB cable
VSC40: Flash upgrade adapter plus standard 3m patch lead
RC4-8P8C: RC4 remote control plus standard 3m patch cable

RELATED PRODUCTS

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

ADDERView PRO
AV4PRO-DVI

ADDERView PRO
AV8PRO-DVI

SmartView MutiScreen
SVMS2DVI-DUAL;
SVMS2DVI-QUAD;
SVMS4DVI-DUAL;
SVMS4DVI-QUAD

ADDERView Secure
AVS2007; AVS4007

ADDER®