



## Digital KVM Extender



Fanless, small form factor,  
DVI, USB and audio

### ADDERVIEW DDX-USR

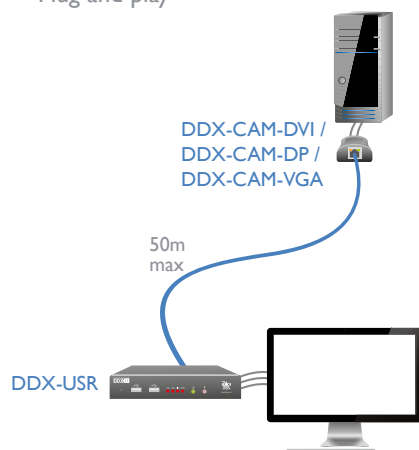
DVI, VGA and DisplayPort video extender with USB HID over a single cable



#### PRODUCT IN BRIEF

This high performance KVM extender enables you to locate your critical computing hardware in a secure and temperature controlled environment away from the user workstation whilst maintaining the original user desktop experience.

- Video up to 1920 x 1200
- USB for keyboard, mouse and touchscreen
- Lossless HD video in real-time
- Microphone input, headphone output and line out
- USB-powered computer module
- Plug and play



#### FEATURES

##### Every pixel uncompressed video technology with ultra-low latency

Unlike many other digital KVM solutions, the DDX delivers every pixel of every video frame to ensure perfect digital video all the time. Resolutions up to 1920 x 1200 at 60Hz are supported, including 1080p. Uncompressed video technology ensures ultra-low latency and a perfect "at-the-computer" experience.

##### Start with one, graduate to many

The DDX-CAM and DDX-USR modules provide an easy solution for extending a single computer and its peripherals to a user. Introduce a DDX switch between them and you have the basis of an expandable switching matrix. Just add further DDX-CAM and DDX-USR modules for each new computer and user. This superb flexibility safeguards your investment and provides a pain-free progression path. Please see the DDX30/ DDX10 datasheet for further details.

##### Optimal USB technology

Supports simple USB HID (Human Interface Device) only. Keyboards, mice, Windows supported touch screens.

##### Simple CATx cabling

DDX uses widely available SFTP cable to connect the user console (up to 50m) and computer dongles (up to 10m) to the central switch.

##### Single cable up to 50 meters

Video, USB HID only and analog audio all pass along a single CAT cable which can be up to 50 meters in length. The achievable distance is dependent on the monitor resolution and the number of connection breaks for patch panels and wall plates. See table on reverse for details

##### "Zero U" Computer Access Module

The compact DDX-CAM computer module derives all its power from a single USB connection and takes "Zero U" space in your rack. Available in DVI, VGA and display port versions to match your computer.

##### EDID management

The extender has an intelligent EDID management to allow the true characteristics of the monitor to be passed back to the computer.

##### Plug and Play

The ADDERView DDX-USR extender is delivered in a zero config state so you can plug the units in and start working with them straight away. There is no need for drivers or software to be installed.

##### USB audio composite device

Bi-directional, CD quality audio (stereo channel 16 bit sampled at 48kHz) from transmitter to receiver. Line out and headphones with microphone input is supported.

## ADDERVIEW DDX-USR

DVI video extender with USB HID over a single cable

### COMPUTER ACCESS MODULE (CAM)



**DDX-CAM-DP**  
Display port Computer Access Module (CAM) for the ADDERView DDX



**DDX-CAM-DVI**  
DVI Computer Access Module (CAM) for the ADDERView DDX



**DDX-CAM-VGA**  
VGA Computer Access Module (CAM) for the ADDERView DDX

### RELATED PRODUCTS

Adder offer a vast range of products to suit your needs. Other products you may find useful are:

DDX30



DDX 10



X-DVIPRO-MS2



ALDVI20P



### TECHNICAL SPECIFICATIONS

#### Hardware compatibility

All computers with DVI, VGA or display port video, and USB.

#### Video interface

The system supports resolutions to a maximum of 1920 x 1200 @ 60Hz. Display port version requires source to be DisplayPort Dual-Mode (DP++) compliant.

#### USB

Support simple USB HID (Human Interface Device) only. Keyboards, mice and Windows supported touchscreens.

#### Software compatibility

All known operating systems.

#### Peripheral connections (USR)

DVI-D, USB type A x 4, 6p6c options port, 3 x 3.5mm jack sockets for headphone out, microphone in and line out.

#### Physical design

Compact case, robust metal construction. 170mm/6.65" (w), 31mm/1.22" (h), 120mm/4.8" (d), 0.6kg/1.3lbs.

#### Power (USR unit)

Locking 3-pin DC jack, 100-240VAC 50/60Hz, 0.7A, input to power adapter, 12VDC 18W output from power adapter.

#### Power (CAM unit)

USB powered (Max 500mA @ 5V)

#### Operating/storage conditions

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

Mean Time Between Failure (MTBF): DDX-USR: 800,000 hours; DDX-CAM-XX: >1.9M hours, calculated to Telecordia standard SR-332 issue 4 March 2016. @55°C

### ORDERING INFORMATION

DDX-CAM-DVI: DDX computer access module - DVI  
DDX-CAM-DP: DDX computer access module - display port  
DDX-CAM-VGA: DDX computer access module - VGA  
DDX-USR-XX: DDX user station (RX unit)

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

### ADDITIONAL ACCESSORIES

RMK8: 19" rack mount bracket (two units per 1U rack slot)  
RMK10: Wall mount bracket for DDX-USR  
RMK5V: Vesa mounting kit

### Important extension distance details

A minimum specification of Shielded Twisted Pair (STP) cables must be used with the DDX30, DDX10, DDX CAM and DDX USR. Recommended cables are STFP:

Daetwyler 7702	Flexible patch cable
Daetwyler 7120	Bulk cable

Res (@60Hz)	Cable	Patches	Dist
1920 x 1200	SFTP	0	50m
1920 x 1200	SFTP	2	40m

Notes:  
Unshielded cables are not suitable for the DDX. Distances are achieved using single lengths of SFTP trunk/bulk cable with two 3 meter SFTP patch cables.  
For each additional break/patch connection reduce distance by 5 meters.  
Patch cables must be SFTP.



Pictured above:  
ADDERVIEW DDX USR, User module (receiver)  
front and back