

SDBX/R2

CATx KVM Extender

Remote Unit

Extends two channels of high-resolution video and PS/2 keyboard and mouse signals up to 300m over Category 5, 5e, 6 or Level 7 (CATx) cable.

- **Dual-head video support**
- **High video resolution:**
1600x1200@60Hz over 200m
1280x1024@75Hz over 300m
- **Independent low frequency (LF) and high frequency (HF) cable equalization to match all cable types**
- **Fully integrated skew compensation**
- **Flash upgradeable**
- **Control and video tuning from Remote keyboard (settings stored in EEPROM memory)**
- **Surge-protected CATx interfaces**
- **Small footprint chassis**
- **Status indicator LEDs on RJ45 ports**
- **Rack mount kit available**

Front view



Compatibility

The SDBX/R2 Remote Unit offers compatibility with the following rack mount KVM extenders:

- SDRK/6
- SDRK/12
- SDRK/6D
- SDRK/6A*
- SDRK/6AD*

* Video only applications



Rear view

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Remote Unit

Specification

Video

Maximum Resolution 1600x1200@60Hz over 200m
1280x1024@75Hz over 300m
Operation at higher resolutions/ refresh rates may be possible at shorter distances

Video Compatibility VGA to UXGA, RGB
VESA DDC Dependent on choice of Local Unit/Hub and hardware versions; contact Technical Support for details.

Video I/O 0.7V P-P
Skew Compensation 15-stage. 42ns max. 2.8ns per step. Compensation available on each colour

Video Compensation Separate LF & HF equalizers

Video Coupling DC

Sync I/O Separate/Composite TTL level
Sync on green
Sync polarity is preserved

Video Out Connectors HD15 (female)

Keyboard and Mouse

KB Compatibility PC/AT, PS/2

Mouse Compatibility Standard PS/2 two/three button
Standard wheel mice

Connectors 6-pin miniDIN socket

Power Requirements

Remote Unit 9V regulated, 1A (max)
PSU 0V must be isolated from power ground
2.5mm DC jack (centre positive)

Remote Unit PSU 9V DC, 2A (20W), isolated output
Universal IEC input
2.5mm DC jack (centre positive)

Size and Shipping Weight

Remote Unit 143x145x29mm

Shipping Weight 1.0 kg

Environmental

Operating Temp 0 to 40 °C

Storage Temp -30 to 65 °C

Relative Humidity 5-90% non-condensing

Chassis Construction Fully shielded. Black painted steel

Approvals CE, FCC (Class A)

Example Application

SDRK/6 Hub used with three SDBX/R2 units to extend dual video from three CPUs

