

SDBX/U2

Dual Channel

CATx KVM Extender Kit

All you need to extend two channels of high-resolution video, USB HID keyboard and mouse up to 300m over Category 5, 5e, 6 or Level 7 (CATx) cable.

Remote unit - front view



- **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**
- **Dual Local video outputs**
- **DDC support on both video channels**
- **Flash upgradeable via USB**
- **Control and video tuning from Remote keyboard (settings stored in EEPROM memory)**
- **Surge-protected CATx interfaces**
- **Status indicator LEDs on RJ45 ports**
- **Small footprint chassis**
- **Rack mount kit available**

Contents

- Extender Remote unit
- 5V DC universal power supply for Remote unit
- Extender Local unit
- CPU cable set (1.0m) with USB and VGA video connectors
- CPU secondary video cable (1.0m) with VGA video connectors
- IEC AC power cord
- Quick start guide



Local unit - rear view

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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

Video I/O 0.7V P-P

VESA DDC Local Unit emulates universal monitor. DDC information may be disabled or read from remote monitor(s).

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 In Connectors HD15 (male)

Video Out Connectors HD15 (female)

USB

KB Compatibility Most USB keyboards

Mouse Compatibility Most USB mice

HID Compatibility Certain other HID devices

Connectors(CPU) USB B connector

Connectors (Device) 4 x USB A connector

Power Requirements

Local Unit 5V at up to 250mA supplied by PC's USB port.
External PSU may also be connected (not included)

Remote Unit 5V regulated, 1.1A (excluding USB devices)
2.1mm DC jack (centre positive)

Remote Unit PSU 5V DC, 4A (20W)
Universal IEC input
2.1mm DC jack (centre positive)

Size and Shipping Weight

Local Unit 124x113x44mm (1U)

Remote Unit 144x151x30mm

Shipping Weight 2.2 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)

Application

