

# OTC-1DVI2AUSB

## Digital Video / DVI / Audio / USB-KVM Over CATx Extender



### Features

- SMPTE, HDCP and HDBaseT compliant
- Uncompressed DVI Video over CAT5e/6 up to 100 meters
- Supports DVI resolutions up to 1920x1200
- Supports High Definition 1080P
- Supports USB 2.0 for HID only
- Supports analog stereo audio
- Support format conversion, over the copper, in conjunction with the OTC Series
- Supports CAT5e, Cat6, CAT6a, CAT7, UTP / STP or FTP cables
- 3-Year warranty

### Applications

- Digital signage / remote kiosks
- Command and control centers
- Digital cinema
- Conference rooms
- Live events
- Houses of worship

### DVI, Audio, USB KVM, with HDBaseT Compliance over CAT5e/6

The Optiva OTC-1DVI2AUSB provides for the transmission of 1 channel of DVI with stereo analog audio, and USB for keyboard and mouse extension up to 100 meters on a single CAT5e/6 cable.

In addition, our innovative Optiva system was designed to allow format conversion, such as DVI to HD-SDI and HD-SDI to DVI, over the copper. The Optiva line of products also includes insert cards for up to 16 channels of multiplexing / demultiplexing, 16x16 matrix switching, optical add/drop, as well as remote system monitoring.

### System Design

Optiva insert cards support both 19" rackmount and compact tabletop or wall-mountable enclosures. The 3RU 19" rackmount enclosures (Models: OT-CC-16 & OT-CC-16F) can support up to 16 insert cards as well as dual-redundant, hot-swappable power supplies utilizing two 100 watt or two 200 watt power supplies. Also available in the rackmount form factor is our 1RU enclosure (Model: OT-CC-6-1U) which can accommodate six insert cards and utilizes two 60 watt power supplies. For desktop or wall mounting applications there are one-slot (Model: OT-DTCR-1) and two-slot (Model: OT-DTCR-2) enclosures. Both use an external wall mount power supply.

**optiva** PLATFORM

720x480p@59.94/60Hz	27/27.027MHz
1920x1080i@59.94/60Hz	74.175/74.25MHz
720x576p@50Hz	27MHz
1280x720p@50Hz	74.25MHz
1920x1080p@50Hz	148.5MHz
WXGA:1360x768@60Hz	85.50MHz
SXGA+:1440x1050@60Hz	101Mhz
WUXGA:1920x1200@60Hz	154MHz

U.S. Patent #'s 7720385 & 8064773

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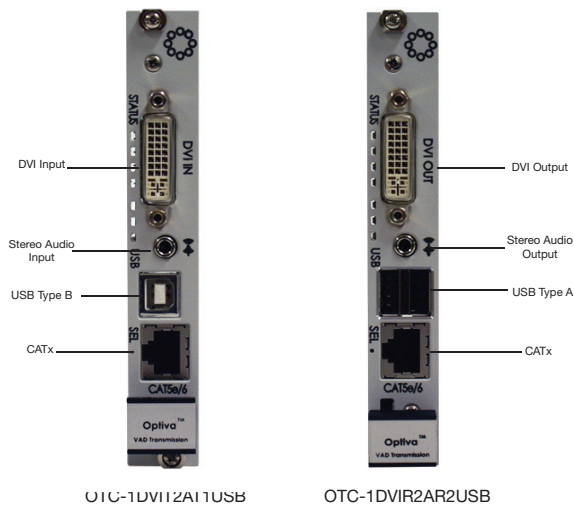
PRELIMINARY DATASHEET

CATX

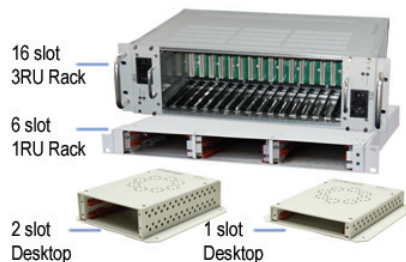
### Models

OTC-1DVIT2AT1USB	OTC-1DVIR2AR2USB
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### Connection Diagram



### Enclosure Options



### General

Dimensions (Insert Card)	6.3"D x 0.8"W x 4.0"H
Operating Temperature	0° to +50°C
Humidity	0 to 95% (non-condensing)
Warranty	3 Years

### Video

Standards	DVI 1.0/VESA
Connector	DVI-D
HDCP Compliance	1.2

### Audio

Channels	24-Bit Dual Channel
Audio Levels	2V p-p Max
Signal-to-Noise Ratio	> 85 dB @ 1KHz (weighted)
Connector Type	3.5mm Stereo Headphone Jack

### Data

Connector	Transmit: USB Type B, Receive: Dual USB Type A
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### Monitoring & Control

Local	Front panel LED status and alert indicators
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### Compliance (Pending)

