DVI 8:8 & 6:6 & 4:4
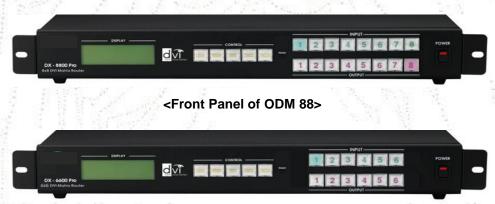
Multiplexers

Model name: ODM 88 & ODM 66 & ODM 44

<Front Panel of ODM 88>

<Front Panel of ODM 66>

Description

The products, ODM 88, 66 and ODM44 enable you to switch up to 8, 6 or 4 DVI sources from host computers in far locations to 8, 6 or 4 digital displays by using not only general PC software like Hyperlink terminal (serial communication) or web browser (LAN) but also Opticis' dedicated software in our shipping group. Easy programming feature is accomplished in various manners such as manual input of front-panel key button or PC programming with various interfaces of RS-232, USB, and Ethernet.

The products have been designed not only to fully execute the DDC (Display Data Channel)/HDCP (High-bandwidth Digital Content Protection) function between any input and output switched, but also to have users designate any EDID to inputs for wide compatibility.

The products support wide-range compatibility with respect to systems, consisting of various DVI graphic sources and DVI monitors. They also cover user's own programming with basic command sets of ASCII or Binary codes to offer flexible application with other video controllers or control software.

Features
- Enables to cross switch between one of 8, 6 or 4 DVI inputs and any of 8, 6 or 4 DVI outputs.
- Supports graphic computer resolution up to 1920x1200 at 60Hz and HD 1080p (1920x1080).
- Offers various user interface using Internet, USB, RS-232, LAN (TCP/IP) control and Front keys.
  1) WEB – Control by web browser like Internet Explore.
  2) USB – USB 2.0 device compatible.
  3) RS-232C – various baud rates.
  4) LAN – TCP/IP communication.
  5) Front Keys – illuminated LED and toggle switch.
- Supports three options to set EDID for graphic cards.
  1) Factory setting – EDID to each input in factory-out and able to restore it any time after taking other options.

2) EDID learning – able to read EDID from any of connected displays and store it to any of input ports.
- Offers three programming features for setting input and output connection and EDID setting as follows;
  1) Front key – set an EDID to each input and execute switching.
  2) Opticis' dedicated PC program in the shipping group – install in your PC and set interface types and switching configuration.
  3) Hyperlink terminal in RS-232 interface and web browser in LAN interface.
- Supports not only DDC but also HDCP.
- Fulfill real-time display of in-out set-up status on LCD front window in tapping front keys.
- 19" Rack-mountable – Robust & Heavy duty casing.

Technical Information

- Signal type: Digital TMDS and Digital RGB.
- Fully supports HDCP for digital content protection.
- Maximum Bandwidth: Single Link 1.65Gbps.
- Display resolutions: 480i to 1080p / 640 x 480 to 1600 x 1200 at 60Hz.
- Inputs: 8, 6, and 4 DVI-I Female ports / Output: 8, 6, and 4 DVI-I Female ports.
- Control or interface method: Front panel manual control, USB, RS-232, and LAN port.
- Power supply: AC-to-DC power adaptor – 110-240V 50/60Hz for AC and 12V, 5A for DC.
- Power consumption : 18 Watts for 8x8, 16 Watts for 6x6, and 12 Watts for 4x4
- Dimensions(W X D X H): 444mm X 230mm X 74mm for 8x8, 6x6, and 4x4
- Weight : 6.2 Kg (13.66 lbs) for 8x8; 6.0 Kg (13.20lbs) for 6x6; and 5.5 Kg (12.10lbs) for 4x4
- Operating temperature & Humidity: 0~40℃, less than 80% humidity.

Ordering Information

ODM XX

Where x = 8: DVI 8x8 multiplexer

6: DVI 6x6 multiplexer

4: DVI 4x4 multiplexer

Shipping group: A-B USB cable, D-sub 9pin RS232 cable, a firmware upgrade cable, CD (PC program), an AC/DC power adaptor and a user manual.