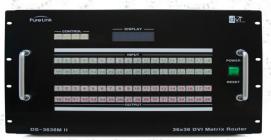# DVI 36x36 &18x18 Multiplexer

Model name: ODM 3636 & ODM 1818

< ODM 3636>

< ODM 1818>

Description

The products, ODM 3636 and ODM1818 enable you to switch up to 36 or 18 DVI sources from host computers in far locations to 36 or 18 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 for EDID setting and switching is accomplished in various manners such as manual input of front key or PC programming with various interfaces of RS-232, USB, and Ethernet. The products have been designed not only to fully execute the DDC 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 36 or 18 DVI inputs and any of 36 or 18 DVI outputs.
- Supports graphic resolution up to 1920x1200 at 60Hz and HD 1080p (1920x1080).
- Offers various user interface using Internet, USB, RS-232C, 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-232 – 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) Taps front keys – set an EDID to each input and execute switching.
  2) Uses Opticis' GUI dedicated software in the shipping group – install in your PC and set interface types and switching configuration.
  3) Uses Hyperlink terminal in RS-232 interface and web browser in LAN interface.

- 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.

- Maximum Bandwidth: Single Link 1.65Gbps.

- Display resolutions: 480i to 1080p / 640 x 480 to 1600 x 1200 at 60Hz.

- Inputs: 36 or 18 DVI-I Female ports / Output: 36 or 18 DVI-I Female port.

- Control or interface method: Front panel manual control, IR remote control (included), USB, RS-232C, and LAN port.

- Power supply: AC-to-DC power adaptor – 110-240V 50/60Hz for AC and 12V, 10A for DC.

- Power consumption : 80 Watts

- Dimensions(W X D X H): 483 X 250 X 223mm for 18 :18, 483 X 250 X 335mm for 36 :36

- Weight : 11.5Kg for 18:18, 15.5Kg for 36:36

- Operating temperature & Humidity: 0~40℃, less than 80% humidity.

Ordering Information

ODM xyxy – xy = 36 DVI 36x36 multiplexer

= 18 DVI 18x18 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 in plastic secure carrying box