

# Modular Multiplexer

Model name: OMM-2000



## Description

OMM-2000 enables you to switch up to 36 DVI and digital audio sources from host computers in far locations to 36 digital displays and digital audio devices 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 touch panel or PC programming with various interfaces of RS232C, USB, and Ethernet.

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

It supports 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 DVI with Digital audio inputs and any of 36 DVI with Digital audio outputs.
- Supports graphic computer 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 Touch Panel.
  - 1) Internet connection – allow PC remote program and control by using the IP address on each device
  - 2) USB – USB 2.0 device compatible
  - 3) RS-232C – various baud rates
  - 4) LAN – TCP/IP communication
  - 5) Front Touch Panel – support manual key input and mouse point and click

- 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) Direct DDC function to set EDID to any source by selecting one of all connected monitors
  - 3) User own program – able to restore any EDID to each source just by once executing connection of wanted inputs to a targeted monitor and keep it until resetting.
- Supports not only DDC but also HDCP for content protection.
- 19" Rack-mountable – Robust & Heavy duty casing.
- Provides 10.4" touch panel.
  - 1) Key input for operation and setup for installation
  - 2) Monitoring and diagnosis for input and output status
- Supports configurable input and output channels up to 36X36 (by multiple of 6).
  - 1) OMDI : 6ch DVI with 6ch Digital audio input module
  - 2) OMDO: 6ch DVI with 6ch Digital audio output module
- Provides reference video source for easy installation.
- Provides diagnostic function for quick trouble shooting.
- Support mouse point and click for easy operation.

## Technical Information

- Signal type: Digital TMDS and Digital audio.
- Fully supports HDCP for digital content protection.
- Maximum Bandwidth: 1.65Gbps for Single link DVI and 192KHz for SPDIF Digital audio.
- Display resolutions: 480i to 1080p / 640 x 480 to 1600 x 1200 at 60Hz.
- Inputs: 36 DVI-I Female ports and 36 RCA ports / Output: 36 DVI-I Female ports and 36 RCA ports.
- Control or interface method: Front touch panel manual control, IR remote control USB, RS-232C, and LAN port.
- Power supply: AC 110-240V 50/60Hz.
- Power consumption: 130W
- Dimensions(W X D X H): 484mm X 265mm X 444mm
- Weight : 21 Kg
- Operating temperature & Humidity: 0~40℃ , less than 80% humidity.