SPIDER ™
Pro AV Network

Easy Use of Switch and Distribution
High Performance and Rich Features
Design for Professional Application
Compatibility with Fiber-optic Video Extensions

SPIDER ™ HDMI Selector
SPIDER ™ HDMI Distributor
SPIDER ™ DVI Distributor
SPIDER ™ HDMI Matrix Router
SPIDER ™ DVI Matrix Router

OPTICIS

Opticis HQ **Opticis Co., Ltd.**   Opticis NA **Opticis North America, Inc.**

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www.opticis.com

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About Opticis SPIDER ™

Opticis Co., Ltd., based in South Korea, was founded in December 1999 to design and manufacture cost effective and high quality fiber-optic digital link products. With expertise in designing and manufacturing VCSELs and associated applications, Opticis aims to be the world's leading provider in high-speed fiber-optic link solutions such as digital graphic extension, serial data interface and interconnection, and datacomm transceivers.

Assuring increased demand of the diversified use in graphic sources being distributed and split, the SPIDER series DVI/HDMI distributors / selectors / matrix routers offer you the benefit to combine single to multiple crossing ways without networking. These optimal digital switching solutions enable to fulfill the ultimate performance with easy-setting features through the multiplicity of the setting methods. The synthesis with our optical DVI/HDMI extender products will provide you with a merit of simple installation to the remote site where required long distance extension.

Not only in technology, has the management team represented extensive experiences but also in business area of digital audio and video extension. With its leadership, the Quality Management System has been certified, having been assessed and complied with the requirements of the quality standard, by ISO 9001:2000. Opticis promises to deliver products of quality and reliability to customers for better responsiveness and satisfaction, which we believe, wins profitable business.

All products comply with RoHS regulations.

SPIDER ™ : HDMI Selector

- Makes your Pro AV network by SPIDER ™ .
- Verified with all connections of optical DVI/HDMI cables and modules for long distance extension.
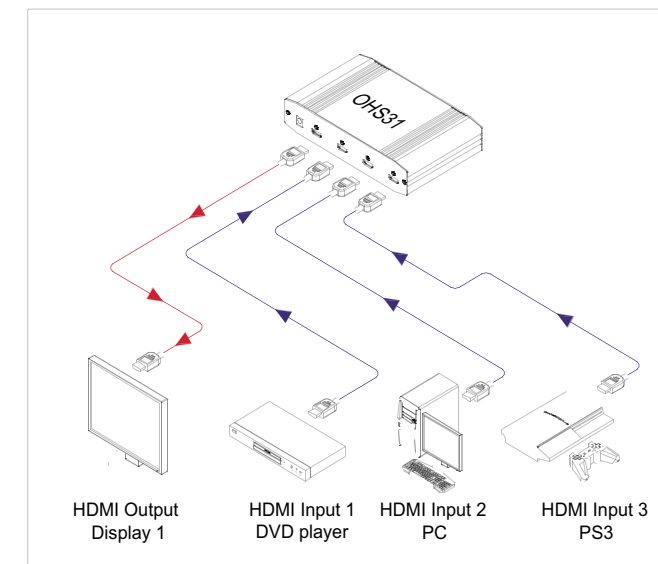
OHS21E ; 2 x 1 HDMI Selector
- Offers easy switching any between two(2) HDMI 1.3 sources.
- Supports HDCP compliance.
- Maintains high resolution video - up to 1080p(HDTV) or WUXGA(PC).
- Executes switching by front panel buttons.
- Complies with optical HDMI/DVI cables.
- Dimensions: 73 x 90 x 26 mm and Weight: 0.2 kg.

OHS31 ; 3 x 1 HDMI Selector
- Offers easy switching any among three(3) HDMI 1.3 sources.
- Supports HDCP compliance.
- Maintains high resolution video - up to 1080p(HDTV) or WUXGA(PC).
- Executes switching by front panel buttons or by discrete IR console.
- Complies with optical HDMI/DVI cables.
- Dimensions: 200 x 123 x 40 mm and Weight: 1.1 kg.

OHS31

HDMI Output   HDMI Input 1   HDMI Input 2   HDMI Input 3
Display 1   DVD player   PC   PS3

OHS42 ; 4 x 2 HDMI Selector
- Offers switching any among four(4) HDMI 1.3 sources.
- Delivers two HDMI outputs, giving identical display of a selected source.
- Supports HDCP compliance.
- Maintains high resolution video - up to 1080p(HDTV) or WUXGA(PC).
- Executes switching by front panel buttons, by discrete IR console or by serial interface over RS 232.
- Installs TOSLINK and COAXIAL outputs for easy hookup to digital audio.
- Complies with optical HDMI/DVI cables.
- Dimensions: 320 x 163 x 34 mm and Weight: 1.1 kg.

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SPIDER™ : DVI Distributor

- Makes your Pro AV network by **SPIDER**™.
- Verified with all connections of optical DVI/HDMI cables and modules for long distance extension.

OVD12 ; 1 x 2 DVI Distributor

- Divides one(1) DVI source into two(2) DVI displays.
- Complies with DDWG1.0.
- Maintains high resolution video up to WUXGA (1,920X1,200) for PC.
- Complies with optical HDMI/DVI cables at both sides of input and outputs.
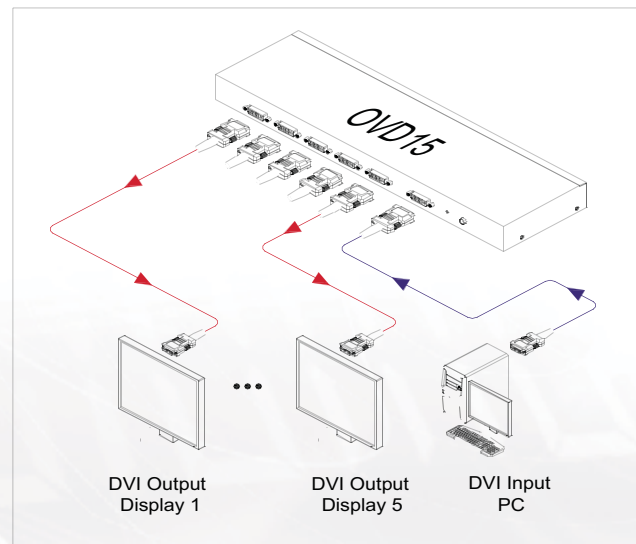- Dimension: 230 x 122 x 30 mm, Weight : 0.7 Kg.

OVD15 ; 1 x 5 DVI Distributor

- Divides one(1) DVI source into five(5) DVI displays.
- Complies with DDWG1.0.
- Maintains high resolution video up to WUXGA (1,920X1,200) for PC.
- Complies with optical HDMI/DVI cables at both sides of input and outputs.
- Dimension: 370 x 122 x 30 mm, Weight : 1.0 Kg.

OVD15H ; 1 x 5 DVI (HDCP) Distributor

- Divides one(1) DVI source into five(5) DVI displays.
- Complies with DDWG1.0 and HDCP.
- Supports DVI-HDCP compliance for all channels.
- Maintains high resolution video - up to 1080p for HDTV or WUXGA (1,920X1,200) for PC.
- Complies with optical HDMI/DVI cables at both sides of input and outputs.
- Dimension: 432 x 108 x 30 mm, Weight : 1.4 Kg.

SPIDER™ : HDMI Distributor

- Makes your Pro AV network by **SPIDER**™.
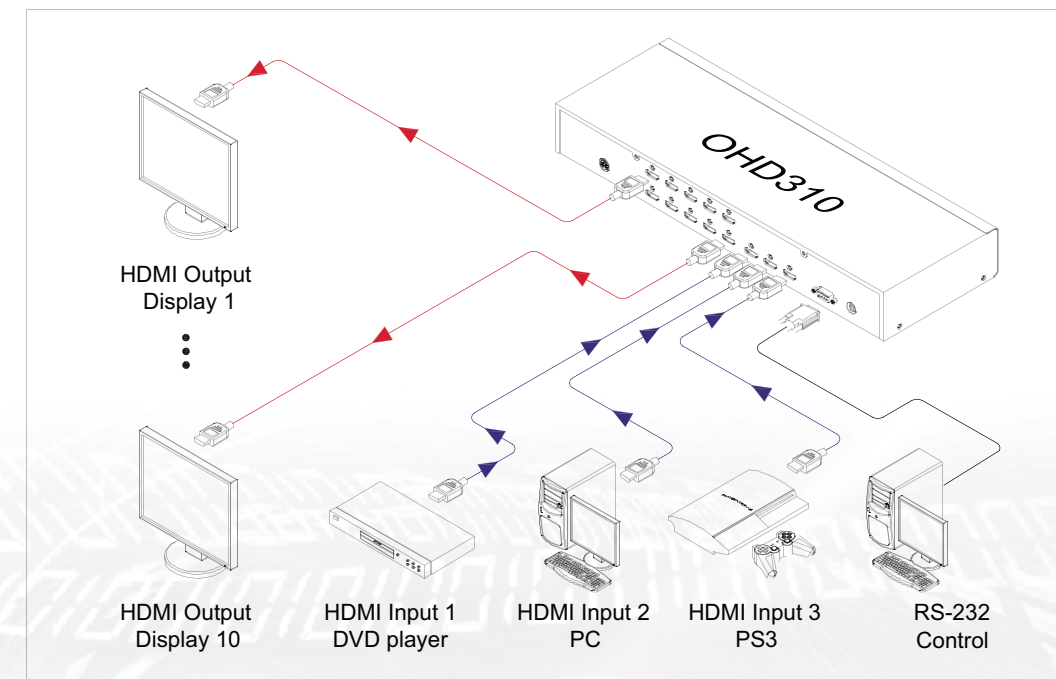- Verified with all connections of optical DVI/HDMI cables and modules for long distance extension.

OHD15 ; 1 x 5 HDMI Distributor

- Divides one(1) HDMI source into five(5) HDMI displays.
- Supports HDCP compliance for all channels.
- Maintains high resolution video - up to 1080p for HDTV or WUXGA (1,920x1,200) for PC.
- Complies with optical HDMI/DVI cables at both sides of input and outputs.
- Dimension: 432 x 108 x 30 mm, Weight : 1.4 Kg.

OHD310 ; 3 x 10 HDMI Distributor

- Executes switching among three(3) HDMI sources by front panel buttons, by discrete IR console or by serial interface over RS232.
- Offers mirrored ten(10) HDMI displays simultaneously.
- Supports HDMI1.3 and HDCP compliance for all channels.
- Maintains high resolution video - up to 1080p for HDTV or WUXGA(1,920X1,200) for PC.
- Offers an EDID program feature;
  Being programmable of an EDID of a HDTV on each input real-time readout from a selected TV, which keeps unselected sources ready to make quick-on when switched.
- Complies with optical HDMI/DVI cables at both sides of inputs and outputs.
- Dimension: 430 x 151 x 55 mm, Weight : 3.2 Kg.

OVD15

DVI Output Display 1 · · · DVI Output Display 5 · DVI Input PC

OHD310

HDMI Output Display 1 · · · HDMI Output Display 10 · HDMI Input 1 DVD player · HDMI Input 2 PC · HDMI Input 3 PS3 · RS-232 Control

SPIDER ™ : DVI Matrix Router

- Makes your Pro AV network by **SPIDER** ™ .
- Verified with all connections of optical DVI/HDMI cables and modules for long distance extension.
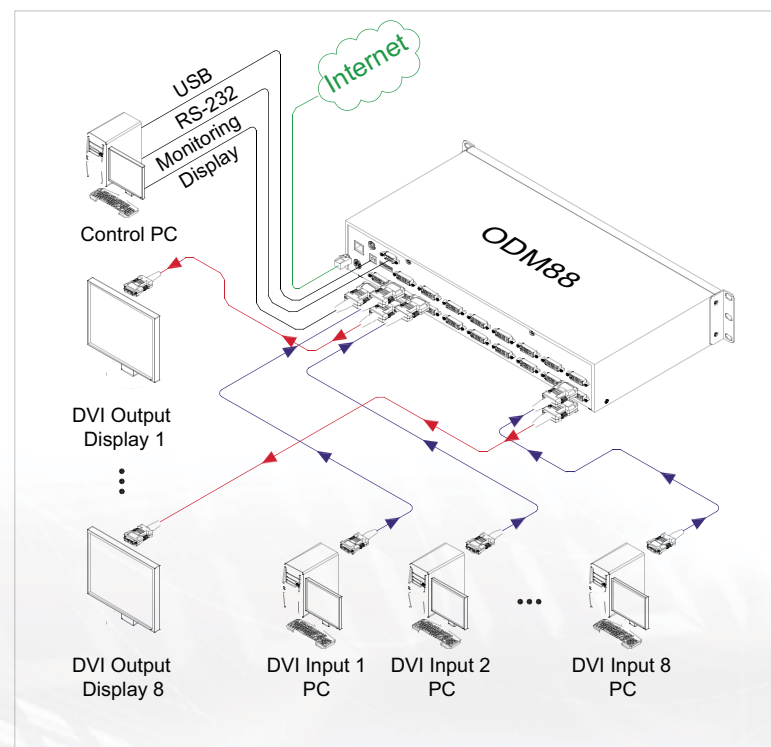
ODM 44 / ODM 66 / ODM 88
; 4x4 / 6x6 / 8x8 DVI Matrix Router
- Enables to make cross-switch among one of multi DVI inputs and any of multi DVI outputs.
- Complies with DDWG1.0 for DVI.
- Executes DDC in compliance with HDCP.
- Supports graphic computer resolution up to WUXGA (1,920x1,200) at 60Hz and HD 1080p (1,920x1,080).
- Offers various user interfaces: USB, RS-232C, LAN (TCP/IP) control and Front keys.
- Supports three options to set EDID for graphic cards by factory setting, direct reading and EEPROM restoring.
- Offers three programming features for setting input and output connection and EDID setting by manual on front keys, GUI software and command line input through Hyperterminal or Telnet window.
- Fulfills real-time display of in-out set-up status on 20*4 LCD front window in tapping front keys.
- Complies with optical HDMI/DVI cables at both sides of inputs and outputs.
- 19" Rack-mountable - Robust & Heavy duty casing.
- Dimension: 444 x 230 x 74 mm
- Weight: 3.5 kg for 8x8, 3.5 kg for 6x6, 3.0 kg for 4x4.

Ordering Information : ODMxx
where xx = 88 : DVI 8x8 multiplexer
66 : DVI 6x6 multiplexer
44 : DVI 4x4 multiplexer

Control PC
ODM88
DVI Output Display 1
DVI Output Display 8
DVI Input 1 PC
DVI Input 2 PC
DVI Input 8 PC
USB
RS-232
Monitoring Display
Internet

SPIDER ™ : HDMI Matrix Router

- Makes your Pro AV network by **SPIDER** ™ .
- Verified with all connections of optical DVI/HDMI cables and modules for long distance extension.
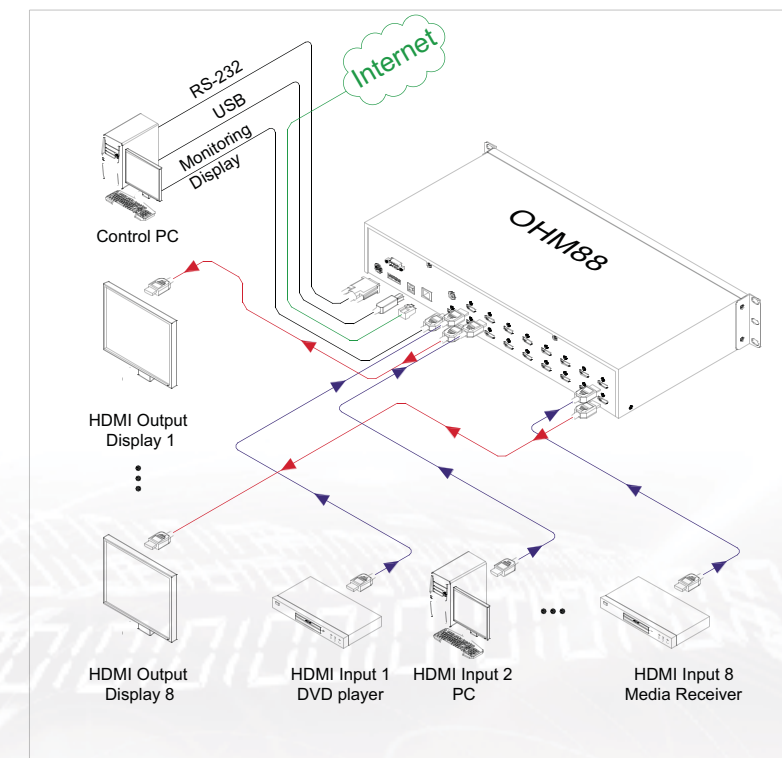
OHM 44 / OHM 66 / OHM 88
; 4x4 / 6x6 / 8x8 HDMI Matrix Router
- Enables to make cross-switch among one of multi HDMI or DVI inputs and any of multi HDMI or DVI outputs.
- Complies with HDMI 1.3 standard and also with DDWG1.0 for DVI.
- Executes DDC in compliance with HDCP.
- Supports graphic computer resolution up to WUXGA (1,920x1,200) at 60Hz and HD up to 1080p (1,920x1,080).
- Offers various user interfaces: USB, RS-232C, LAN (TCP/IP) control and Front keys.
- Supports three options to set EDID for graphic cards by factory setting, direct reading and EEPROM restoring.
- Offers three programming features for setting input and output connection and EDID setting by manual on front keys, GUI software and command line input through Hyperterminal or Telnet window.
- Fulfills real-time display of in-out set-up status on 20*4 LCD front window in tapping front keys.
- Complies with optical HDMI/DVI cables at both sides of inputs and outputs.
- 19" Rack-mountable - Robust and heavy-duty case.
- Dimension: 444 x 230 x 74 mm
- Weight: 3.5 kg for 8x8, 3.5 kg for 6x6, 3.0 kg for 4x4.

Ordering Information : OHMxx
where xx = 88 : HDMI 8x8 multiplexer
66 : HDMI 6x6 multiplexer
44 : HDMI 4x4 multiplexer

Control PC
OHM88
HDMI Output Display 1
HDMI Output Display 8
HDMI Input 1 DVD player
HDMI Input 2 PC
HDMI Input 8 Media Receiver
RS-232
USB
Monitoring Display
Internet

SPIDER ™ : DVI Matrix Router

- Makes your Pro AV network by **SPIDER** .
- Verified with all connections of optical DVI/HDMI cables and modules for long distance extension.
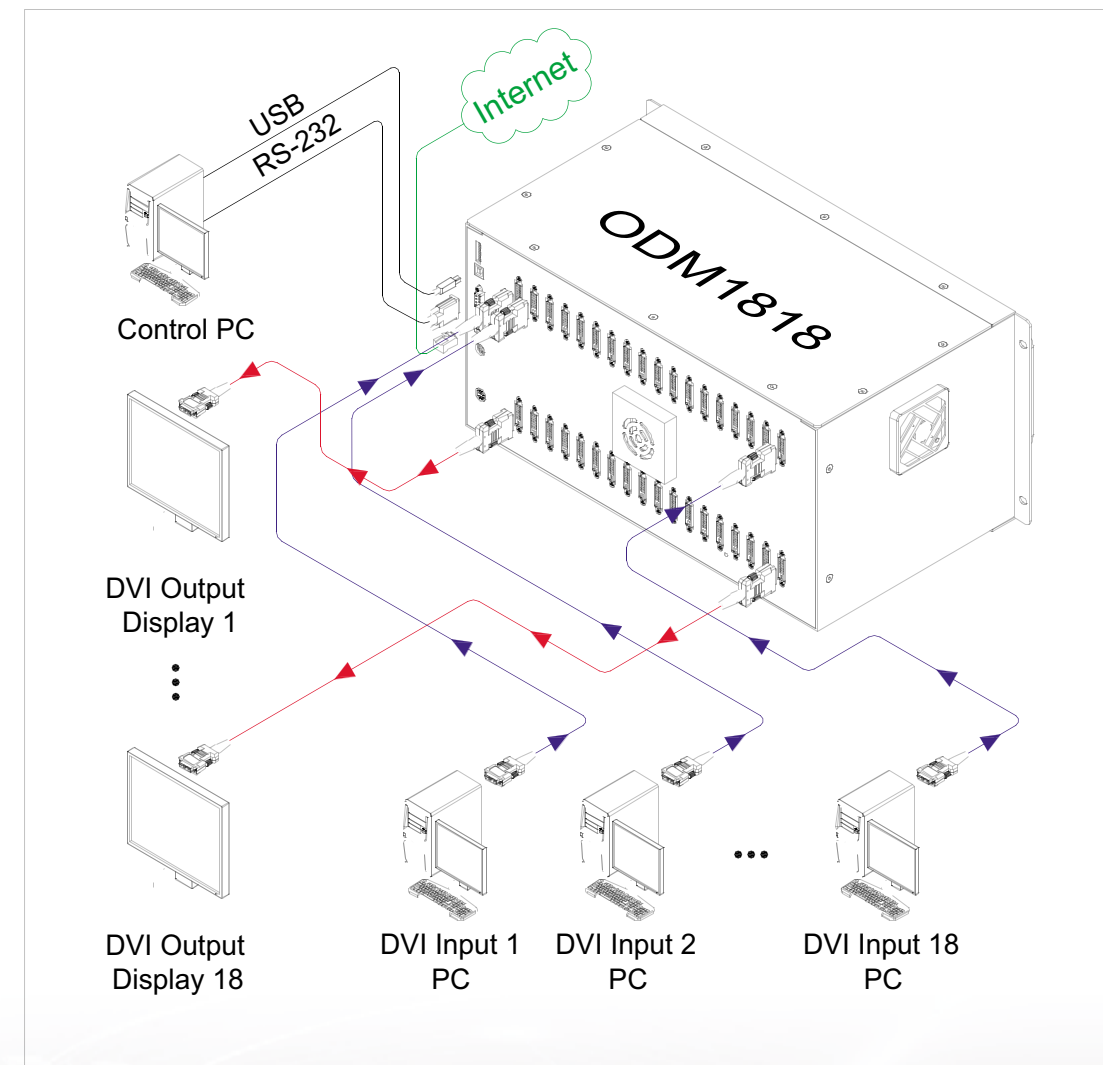
ODM1818 ; 18 x 18 DVI Matrix Router

- Enables to make cross-switch among one of 18 DVI inputs and
  any of 18 DVI outputs.
- Complies with DDWG1.0 for DVI standard.
- Executes DDC in compliance with HDCP.
- Supports graphic computer resolution up to WUXG(1,920x1,200)
  at 60Hz andHDTV up to 1080p (1,920x1,080).
- Complies with optical HDMI/DVI cables at both sides of
  inputs and outputs.

- Offers various user interface using USB, RS-232C, LAN (TCP/IP)
  control and Front keys.
  (1) USB: USB 2.0 device compatible.
  (2) RS-232C: various baud rates and command line input
      on Hyper terminal.
  (3) LAN(TCP/IP): allows PC or controller to be remotely controlled
      based on IP address.
  (4) 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) 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 specific input to a targeted monitor
      and keep it until resetting.

- Offers three programming features for setting input and output
  connection and EDID setting.
  (1) Front keys: set EDID to each input and execute switching.
  (2) Uses Opticis' GUI dedicated software: installed in your PC and
      set interface types and switching configuration.
  (3) Uses Hyperlink terminal in RS232c interface and web browser or
      telnet in LAN interface.

SPIDER ™ : DVI Matrix Router

ODM1818 ; 18 x 18 DVI Matrix Router

- Fulfills real-time display of in-out set-up status on a 20*4 LCD front window in tapping front keys.
- 19" Rack-mountable - Robust and heavy duty case.
- Dimensions (W x D x H) : 483 x 280 x 223 mm
- Weight : 11.5 kg

SPIDER ™ : DVI Matrix Router

- Makes your Pro AV network by **SPIDER ™** .
- Verified with all connections of optical DVI/HDMI cables and modules for long distance extension.

ODM3636 ; 36 x 36 DVI Matrix Router

- Enables to make cross-switch among one of 36 DVI inputs and
  any of 36 DVI outputs.
- Complies with DDWG1.0 for DVI standard.
- Executes DDC in compliance with HDCP.
- Supports graphic computer resolution up to WUXGA(1,920x1,200)
  at 60Hz and HDTV up to 1080p (1,920x1,080).
- Complies with optical HDMI/DVI cables at both sides of
  inputs and outputs.

  Offers various user interface using USB, RS-232C, LAN (TCP/IP)
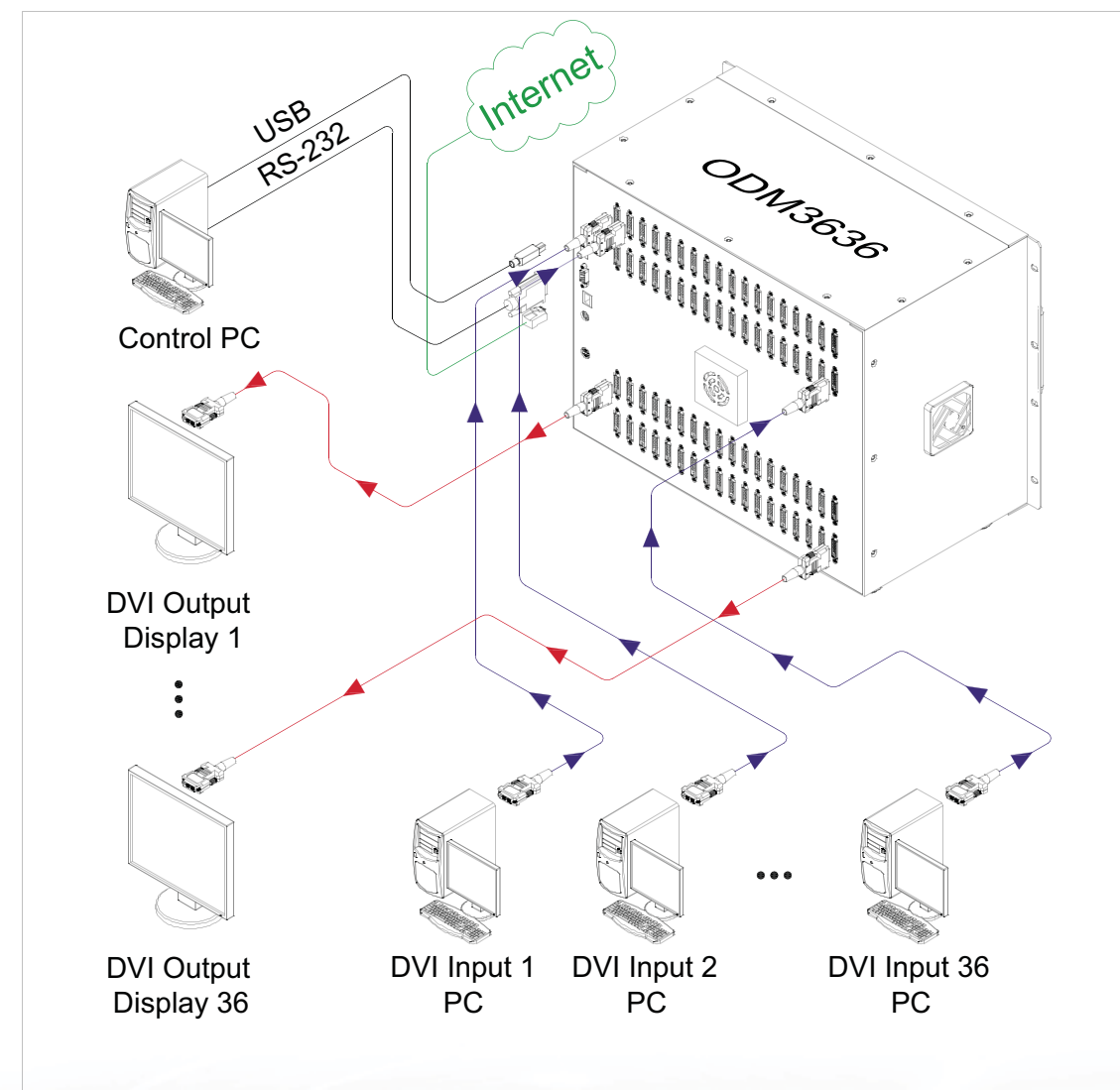 control and Front keys.
  (1) USB: USB 2.0 device compatible.
  (2) RS-232C: various baud rates and command line input
     on Hyper terminal.
  (3) LAN(TCP/IP): allows PC or controller to be remotely controlled
     based on IP address.
  (4) Front Keys: illuminated LED and toggle switch.

- 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) 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 specific input to a targeted monitor
     and keep it until resetting.

- Offers three programming features for setting input and output
  connection and EDID setting.
  (1) Front keys: set EDID to each input and execute switching.
  (2) Uses Opticis' GUI dedicated software: installed in your PC and
     set interface types and switching configuration.
  (3) Uses Hyperlink terminal in RS232c interface and web browser or
     telnet in LAN interface.

SPIDER ™ : DVI Matrix Router

ODM3636 ; 36 x 36 DVI Multiplexer

- Fulfills real-time display of in-out set-up status on a 20*4 LCD front
  window in tapping front keys.
- 19" Rack-mountable - Robust and heavy duty case.
- Dimensions (W x D x H) : 483 x 280 x 355 mm
- Weight : 15.5 kg

Opticis Spider Matrix Routers enables you to make cross-switch among multi HDMI/DVI sources and multi digital HDTVs or displays by using general PC software or Opticis' dedicated software.

Easy programming feature for EDID setting and switching is accomplished in various manners such as manual input , command line input or PC programming with various interfaces of RS232C, USB, and Ethernet.