

elpro



PRODUCT CATALOGUE 2010

Smart-AVI
SMART AUDIO VIDEO INNOVATION

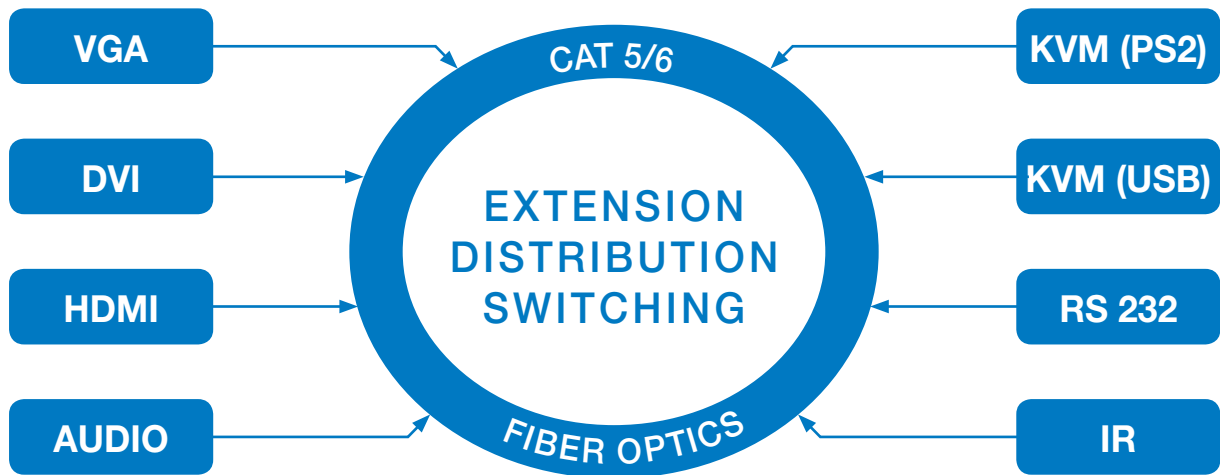




Video Labs presents

Smart-AM

SMART AUDIO VIDEO INNOVATION



B. PRODUCT CATALOGUE 2010 SMART-AVI

CATEGORIES

UXGA, AUDIO, RS232 AND IR EXTENDERS	180÷181
UXGA MULTIPOINT TRANSMITTERS	184
MATRICES WITH CAT5 OUTPUTS	186÷188
CATSWITCH - MATRICES WITH INPUT/OUTPUTS ON CAT5	190÷191
DVI-D, AUDIO, RS232 E KVM EXTENDERS	194÷195
HDMI EXTENDERS	198
FIBER OPTICS SOLUTIONS	200÷202
ACCESSORIES	204

B. PRODUCT CATALOGUE 2010 SMART - AVI

INDEX

1 UXGA, AUDIO, RS232 AND IR EXTENDERS

AR-100S	RS232 Bidirectional + Audio Transceiver	p. 180
VDXS	UXGA + RS232 bidirectional Transceiver	180
XTAVS	UXGA + Audio Transceiver	181
XTPROS	UXGA + Audio + RS232 + IR Transceiver	181

2 UXGA MULTIPOINT TRANSMITTERS

XT-TX400S	UXGA + Audio + RS232 + IR 4 Port Transmitter	p. 184
XT-TX800S	UXGA + Audio + RS232 + IR 8 Port Transmitter	184
XT-TX1600S	UXGA + Audio + RS232 + IR 16 Port Transmitter	184

3 MATRICES WITH CAT5 OUTPUTS

SMX-AV0808S	UXGA + Audio over CAT5 8x8 matrix	p. 186
SMX-AV1616S	UXGA + Audio over CAT5 16x16 matrix	186
SMX-AV3216S	UXGA + Audio over CAT5 32x16 matrix	186
SMX-AVD0808S	UXGA + Audio + RS232 + IR over CAT5 8x8 matrix	187
SMX-AVD1616S	UXGA + Audio + RS232 + IR over CAT5 16x16 matrix	187
SMX-AVD3216S	UXGA + Audio + RS232 + IR over CAT5 32x16 matrix	187
SNV16x08S	CV + Audio + IR over CAT5 16x8 matrix	188
SNV16x16S	CV + Audio + IR over CAT5 16x16 matrix	188

4 CATSWITCH - MATRICES WITH INPUT/OUTPUTS ON CAT5

CSW08x08S	CAT5 UXGA + Audio 8x8 matrix	p. 190
CSW16x08S	CAT5 UXGA + Audio 16x8 matrix	190
CSW16x16S	CAT5 UXGA + Audio 16x16 matrix	190
CSWP08x08S	CAT5 UXGA + Audio + RS232 + IR 8x8 matrix	191
CSWP16x08S	CAT5 UXGA + Audio + RS232 + IR 16x8 matrix	191
CSWP16x16S	CAT5 UXGA + Audio + RS232 + IR 16x16 matrix	191

5 DVI-D, AUDIO, RS232 E KVM EXTENDERS

DVX-200PS	DVI-D / PC CAT6 Transceiver up to 75 m	p. 194
DVX-PROS	DVI-D + Audio + RS232 Transceiver up to 75 m	194
KDX-200S	DVI-D + KVM (PS2) + Audio Transceiver up to 75 m	195
DVX-PLUS	DVI-D + KVM (USB1.1) Transceiver up to 75 m	195

6 HDMI EXTENDERS

HDX-1000S	HDMI + IR (monodir.) CAT6 Transceiver up to 75 m	p. 198
-----------	--	--------

7 FIBER OPTICS SOLUTIONS

FVX-2000	SXGA + KVM (PS2) Transceiver up to 75 m	p. 200
FDX-2000	DVI-D + KVM (PS2) + Audio + RS232 up to 420 m	201
FDX-AV	DVI-D + Audio + RS232 Transceiver up to 420 m	201
FX-HDPROS	HDMI + Audio + IR + RS232 Transceiver up to 360 m	202

8 ACCESSORIES

SM-LED	IR Emitter 6' Single led	p. 204
SM-EYE	IR Receiver	204
HDC-VX-RXS	CV + Audio + IR CAT5 Receiver	204

C. **1**

**UXGA, AUDIO,
RS232 AND IR
EXTENDERS**

<u>AR-100S</u>	<u>pag. 180</u>
<u>VDXS</u>	<u>180</u>
<u>XTAVS</u>	<u>181</u>
<u>XTPROS</u>	<u>181</u>

AR-100S

RS232 BIDIRECTIONAL + AUDIO TRANSCEIVER



Applications:

The AR-100S kit is composed by the AR-TX100S transmitter and the AR-RX100S receiver. The kit may be ordered using code AR-100S.

The AR-TX100S transmitter is a device which conveys on a CAT5 cable one RS232 and a stereo audio signal.

The AR-RX100S receiver receives through a CAT5 cable the transmitter signals and regenerates them toward the output into an RS232 signal and an audio stereo one.

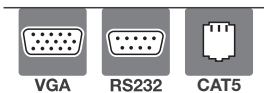
The AR-RX100S receiver should be placed at the end of the CAT5 cable. Maximum acceptable cable length is 900m.

Features:

- Extends RS232 and Audio up to 900 m
- Supports all protocol and baud rates
- Uses easy to install inexpensive CAT5 cable
- Output reaches up to 900 m
- Compatible with line level stereo audio signals
- High ground loop immunity
- Built-in lightning, power surge and transient protection
- Remote units come with buffered outputs
- Compact enclosure
- Fully transparent path for all protocols and data transfers

VDXS

UXGA + RS232 BIDIRECTIONAL TRANSCEIVER



Applications:

The VDXS kit is composed by the VDX-TXS transmitter and the VDX-RXS receiver.

The VDX-TXS transmitter is a device designed to convey PC graphic signals and RS232 signals on a CAT5 cable. The RS232 signal may be bidirectional.

The VDX-TXS transmitter is designed to operate in pair with the VDX-RXS receiver.

The VDX-RXS receiver receives through a CAT5 cable the transmitter signals and regenerates them into UXGA and RS232 signals toward the destinations.

Three trimmers, working individually on the RGB signals, permit to regulate the cable loss compensation.

The VDX-RXS receiver should be placed at the end of the CAT5 cable.

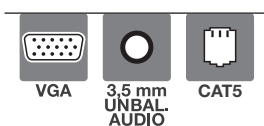
Maximum acceptable length of cable is 300m.

Features:

- Extends high-resolution UXGA and RS232 signals
- Uses easy to install, inexpensive CAT5/5e/6 cable
- Output reaches up to 300 m.
- Supports high resolution clear video up to 1900x1200
- HDTV compatible (720p, 1080i, 1080p)
- 300 MHz Bandwidth
- Compatible with VGA, XGA, Sun, MAC and SGI
- Sync Format / Polarity Preservation
- Bidirectional serial RS232 (Tx/Rx) control
- High ground loop immunity
- Built-in lightning, power surge and transient protection
- Designated trimmer in the remote unit to compensate for cable length
- Compact metal case enclosure
- Remote units come with buffered outputs

XTAVS

UXGA + AUDIO TRANSCEIVER



Applications:

The XTAVS kit is composed by the XTA-TXS transmitter and the XTA-RXS receiver.

The XTA-TXS transmitter is a device designed to convey PC graphic signals and its stereo audio signals on a CAT5 cable.

The XTA-TXS transmitter is designed to operate in pair with the XTA-RXS receiver.

The XTA-RXS receiver receives through a CAT5 cable the transmitter signals and regenerates them into UXGA and stereo audio signals toward the destinations.

Three trimmers, working individually on the RGB signals, permit to regulate the cable loss compensation.

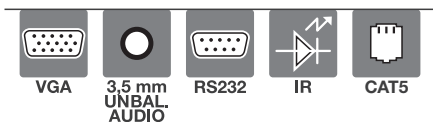
The XTA-RXS receiver should be placed at the end of the CAT5 cable. Maximum acceptable length of cable is 300m.

Features:

- Extends high-resolution UXGA and Stereo Audio
- Uses easy to install, inexpensive CAT-5/5e/6
- Output reaches up to 300 m.
- Resolutions up to 1900x1200
- 300 MHz Bandwidth
- Compatible with VGA, XGA, Sun, MAC and SGI
- Sync Format / Polarity Preservation
- Compatible with Line Level Stereo Audio Signals
- High ground loop immunity
- Built-in lightning, power surge and transient protection
- Designated trimmer in the remote unit to compensate for cable length
- Compact Metal Case Enclosure

XTPROS

UXGA + AUDIO + RS232 + IR TRANSCEIVER



Applications:

The XTPROS kit is composed by the XTP-TXS transmitter and the XTP-RXS or XTP-RXLS receiver.

The XTP-TXS transmitter is a device designed to convey PC graphic signals, its stereo audio signals, RS232 and an IR signal as well on a CAT5 cable. The IR signal may be bidirectional, meaning that an SM-LED emitter or an SM-EYE receiver may be connected.

The XTP-TXS transmitter represents, with the XTP-RXS receiver, the most complete pair for CAT5 cable signal convey.

The XTP-RXS receiver receives through a CAT5 cable the transmitter signals and regenerates them into UXGA, stereo audio, RS232 and IR signals toward the destinations.

Three trimmers, working individually on the RGB signals, permit to regulate the cable loss compensation. RS232 and IR signals are bidirectional.

The XTP-RXS receiver should be placed at the end of the CAT5 cable. Maximum acceptable length of cable is 300m. If longer cable is needed, the XTP-RXLS receiver may operate up to 500m. All other characteristics are unchanged.

Features:

- Extends high-resolution UXGA, Stereo Audio, RS232 and IR
- Supports Dual Screens
- Uses easy to install, inexpensive CAT-5/5e/6
- Output reaches up to 300 m.
- Resolutions up to 1900x1200
- 300 MHz Bandwidth
- Compatible with VGA, XGA, Sun, MAC and SGI
- Sync Format / Polarity Preservation
- Compatible with Line Level Stereo Audio Signals
- High ground loop immunity
- Built-in lightning, power surge and transient protection
- Designated trimmer in the remote unit to compensate for cable length
- Compact Metal Case Enclosure

C. **2**

**UXGA
MULTIPOINT
TRANSMITTERS**

XT-TX400S pag. 184

XT-TX800S 184

XT-TX1600S 184

Applications:

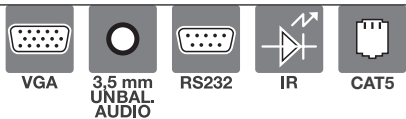
The XT-TX400S or 800S or 1600S send PC signals (graphic UXGA, stereo audio and RS232 standard) to 4 or 8 or 16 separate destinations. The RS232 signal is monodirectional, from the center to the periphery. UXGA and audio outputs are available on the transmitter to allow PC graphic & audio outputs local monitoring.

Features:

- Extends high-resolution UXGA, Audio, RS232 or IR from one source to multiple locations
- Uses easy to install, inexpensive CAT5/5e/6
- Each output reaches up to 300 m
- Supports high resolution video up to 1900x1200
- HDTV Compatible (720p, 1080i,1080p)
- 300 MHz Bandwidth
- Compatible with VGA, XGA, Sun, MAC and SGI
- Sync Format / Polarity Preservation
- Compatible with Line Level Stereo Audio Signals
- High ground loop immunity
- Built-in power surge and transient protection
- Designated trimmer in the remote unit to compensate for cable length
- Compact Metal Case Enclosure
- External power supply

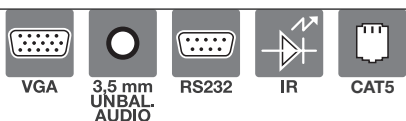
XT-TX400S

UXGA + AUDIO + RS232 + IR 4 PORT TRANSMITTER



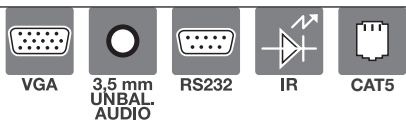
XT-TX800S

UXGA + AUDIO + RS232 + IR 8 PORT TRANSMITTER



XT-TX1600S

UXGA + AUDIO + RS232 + IR 16 PORT TRANSMITTER



C. **3**

**MATRICES
WITH CAT5
OUTPUTS**

<u>SMX-AV0808S</u>	<u>pag. 186</u>
<u>SMX-AV1616S</u>	<u>186</u>
<u>SMX-AV3216S</u>	<u>186</u>
<u>SMX-AVD0808S</u>	<u>187</u>
<u>SMX-AVD1616S</u>	<u>187</u>
<u>SMX-AVD3216S</u>	<u>187</u>
<u>SNV16x08S</u>	<u>188</u>
<u>SNV16x16S</u>	<u>188</u>

Applications:

Matrix with CAT5 output are designed to connect several outputs using a CAT5 cable.

Each of the destinations must be served by a receiver. The receivers should be chosen according to the signals to be treated and the CAT5 cable length (max. 500m).

Matrix accepts the input signals straight from the sources. Typical formats are 8X8, 16X16 and 32X16.

The SMX-AV series allows transit of UXGA and audio.

Features:

- Switches 8, 16 or 32 inputs to any outputs for unmatched design flexibility
- Signal distribution over CAT5/6 structured cabling
- Supermatrix is a full non-blocking switching matrix
- Integrated RS232 and Infrared matrix offers unparalleled control
- Switch signals from devices located up to 300 m apart
- HD compatible (720p, 1080i, 1080p)
- Supports high resolution video up to 1900x1200
- Sends high-resolution UXGA, stereo audio, RS232 or IR over a single twisted pair cable
- Compatible with Video Composite, S-Video, Component and UXGA interface

- Increases productivity by providing access to 16 computers from 16 workstations
- Can be controlled via software interface, remote control, Internet or RS232
- Full RS232 Matrix control
- Remotely power on and off all of the connected display devices
- Send commands such as video schedules or input source.
- Reporting
- Enable touch-screen displays to send and receive data.
- Interrupt displays with Alerts and urgent messages
- Controlling the Matrix
- Support multiple control interfaces
- Control via RS232 using SmartControl; our Windows based Software included with the system
- Supermatrix also allows multiple users to access the matrix from anywhere in the world using our http interface
- You can also use a remote control through an Infrared connection

SMX-AV0808S

UXGA + AUDIO OVER CAT5 8x8 MATRIX



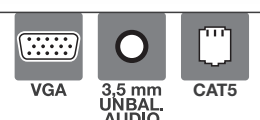
SMX-AV1616S

UXGA + AUDIO OVER CAT5 16x16 MATRIX



SMX-AV3216S

UXGA + AUDIO OVER CAT5 32x16 MATRIX



Applications:

Matrix with CAT5 output are designed to connect several outputs using a CAT5 cable.

Each of the destinations must be served by a receiver. The receivers should be chosen according to the signals to be treated and the CAT5 cable length (max. 500m).

Matrix accepts the input signals straight from the sources. Typical formats are 8x8, 16x16 and 32x16.

The SMX-AVD series allows transit of UXGA, audio, RS232 and IR.

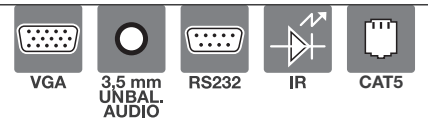
Features:

- Switches 8, 16 or 32 inputs to any outputs for unmatched design flexibility
- Signal distribution over CAT5/6 structured cabling
- Supermatrix is a full non-blocking switching matrix
- Integrated RS232 and Infrared matrix offers unparalleled control
- Switch signals from devices located up to 300 m apart
- HD compatible (720p, 1080i, 1080p)
- Supports high resolution video up to 1900x1200
- Sends high-resolution UXGA, stereo audio, RS232 or IR over a single twisted pair cable
- Compatible with Video Composite, S-Video, Component and UXGA interface

- Increases productivity by providing access to 16 computers from 16 workstations
- Can be controlled via software interface, remote control, Internet or RS232
- Full RS232 Matrix control
- Remotely power on and off all of the connected display devices
- Send commands such as video schedules or input source
- Reporting
- Enable touch-screen displays to send and receive data
- Interrupt displays with Alerts and urgent messages
- Controlling the Matrix
- Support multiple control interfaces
- Control via RS232 using SmartControl; our Windows based Software included with the system
- Supermatrix also allows multiple users to access the matrix from anywhere in the world using our http interface
- You can also use a remote control through an Infrared connection

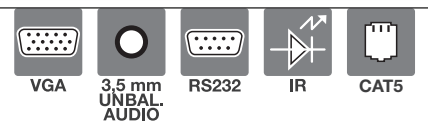
SMX-AVD0808S

UXGA + AUDIO + RS232 + IR OVER CAT5 8x8 MATRIX



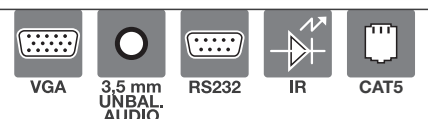
SMX-AVD1616S

UXGA + AUDIO + RS232 + IR OVER CAT5 16x16 MATRIX



SMX-AVD3216S

UXGA + AUDIO + RS232 + IR OVER CAT5 32x16 MATRIX



Applications:

Matrix with CAT5 output are designed to connect several outputs using a CAT5 cable.

Each of the destinations must be served by a receiver. The receivers should be chosen according to the signals to be treated and the CAT5 cable length (max. 300m).

Matrix accepts the input signals straight from the sources. Typical formats are 16X8 and 16X16.

The SNV series is designed for transit of CV (composite), audio and IR signals.

Features:

- High quality video and stereo audio routing
- Signal distribution over CAT5/6 structured cabling
- Full interactivity via infrared control
- Fully compatible with all standards of modulated IR and IRDA
- Automatic cable compensation
- On-screen display
- Distributes signals over 300m
- Expandable on-site
- Remote powering of receiver

SNV16x08S

CV + AUDIO + IR OVER CAT5 16x8 MATRIX



SNV16x16S

CV + AUDIO + IR OVER CAT5 16x16 MATRIX



C. **4**

**CATSWITCH -
MATRICES WITH
INPUT/OUTPUTS
ON CAT5**

<u>CSW08x08S</u>	<u>pag. 190</u>
<u>CSW16x08S</u>	<u>190</u>
<u>CSW16x16S</u>	<u>190</u>
<u>CSWP08x08S</u>	<u>191</u>
<u>CSWP16x08S</u>	<u>191</u>
<u>CSWP16x16S</u>	<u>191</u>

Applications:

Matrix with CAT5 input & output are designed to connect several sources and destinations by a CAT5 cable.

Sources are interfaced with a transmitter on CAT5 cable, while destinations are served by a receiver. Typical formats are 8x8, 16x16 and 32x16.

The CSW series Matrix is designed to commute UXGA and audio signals.

At a peripheral level, each transmitter on CAT is connected to a PC or other multimedia source, while the CAT5 receiver is connected to a destination (monitor or video projector).

Transmitter and receivers should be chosen according to the signals to be treated and the CAT5 cable length in the system.

Features:

- Supports high resolution video up to 1900x1200
- Signal distribution over CAT5/6 structured cabling
- High quality audio switching
- Infrared, RS232 and TCP/IP control
- PC Windows software control
- Integral UTP distribution
- 1U rackmounted chassis
- Maximum extension of 450m between the local and remote units
- HDTV compatible. (720p, 1080i,1080p)
- 300 MHz bandwidth
- Compatible with VGA, XGA, Sun, MAC and SGI.
- Sync Format / Polarity Preservation
- Compatible with Line Level Stereo Audio Signals
- High ground loop immunity
- Built-in power surge and transient protection

CSW08x08S

CAT5 UXGA + AUDIO 8x8 MATRIX



CSW16x08S

CAT5 UXGA + AUDIO 16x8 MATRIX



CSW16x16S

CAT5 UXGA + AUDIO 16x16 MATRIX



Applications:

Matrix with CAT5 input & output are designed to connect several sources and destinations by a CAT5 cable.

Sources are interfaced with a transmitter on CAT5 cable, while destinations are served by a receiver. Typical formats are 8x8, 16x16 and 32x16.

The CSWP series Matrix is designed to commute UXGA, audio, RS232 and IR signals.

At a peripheral level, each transmitter on CAT is connected to a PC or other multimedia source, while the CAT5 receiver is connected to a destination (monitor or video projector).

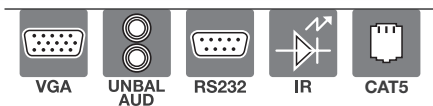
Transmitter and receivers should be chosen according to the signals to be treated and CAT5 cable length in the system.

Features:

- Supports high resolution video up to 1900x1200
- Signal distribution over CAT5/6 structured cabling
- High quality audio switching
- Infrared, RS232 and TCP/IP control
- PC Windows software control
- Integral UTP distribution
- 1U rackmounted chassis
- Maximum extension of 450m between the local and remote units
- HDTV compatible. (720p, 1080i, 1080p)
- 300 MHz bandwidth
- Compatible with VGA, XGA, Sun, MAC and SGI
- Sync Format / Polarity Preservation
- Compatible with Line Level Stereo Audio Signals
- High ground loop immunity
- Built-in power surge and transient protection

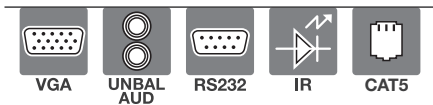
CSWP08x08S

CAT5 UXGA + AUDIO + RS232 + IR 8x8 MATRIX



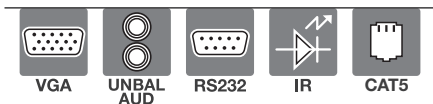
CSWP16x08S

CAT5 UXGA + AUDIO + RS232 + IR 16x8 MATRIX



CSWP16x16S

CAT5 UXGA + AUDIO + RS232 + IR 16x16 MATRIX



C. **5**

**DVI-D, AUDIO,
RS232 E KVM
EXTENDERS**

DVX-200PS pag. 194

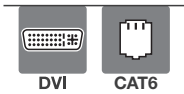
DVX-PROS 194

KDX-200S 195

DVX-PLUS 195

DVX-200PS

DVI-D / PC CAT6 TRANSCEIVER UP TO 75 m



Applications:

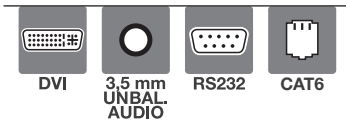
The DVX-200PS kit is composed by the DVX-TX200PS transmitter and the DVX-RX200S receiver. The DVX-TX200PS transmitter gets the DVI-D signal from a PC and sends it, via a CAT6 cable, toward the receiver which will regenerate the signal and send it to its final destination. The use of a CAT6 cable (shielded and twisted pairs) is necessary to guarantee the best quality level. The DVX-RX200S receiver receives the signal sent by the transmitter through the CAT6 cable and regenerates the DVI-D signal transforming it for final visualization. The DVX-RX200S receiver is placed at the end of the CAT6 cable. The kit may be ordered using code DVX-200PS.

Features:

- Extends DVI-D towards remotely located Monitor
- Top Image Quality at all Resolutions
- Video Resolutions up to 1920 x 1200 @ 60Hz (1280x1024 @ 75Hz) up to the maximum distance
- User selectable: DCC-Information used from the remotely located Monitor, from the locally located Monitor or from an internal DDC Table
- Distances: 65m with a STP CAT6 cable
- Compatible with all operating systems
- Compatible with all major KVM Switches
- Rack Mount options (19")

DVX-PROS

DVI-D - AUDIO + RS232 TRANSCEIVER UP TO 75 m



Applications:

The DVX-PROS kit is composed by the DVX-TXPROS transmitter and the DVX-RXPROS receiver. The DVX-TXPROS transmitter gets the DVI-D signal from a PC and sends it, via two CAT6 cables, to the receiver which will regenerate the signal and send it to its final destination. Together with the DVI-D signal the transmitter may also send a stereo audio signal and a bidirectional RS232 one. The use of a CAT6 STP cable (shielded and twisted pairs) is necessary to guarantee the best quality level. The DVX-RXPROS receiver receives the signal sent by the transmitter via two CAT6 cables and regenerates the DVI-D signal transforming it for final visualization. Together with the DVI-D signal the receiver also receives and regenerates a stereo audio signal and a bidirectional RS232 one. The DVX-RXPROS receiver is placed at the end of the CAT6 cables.

Features:

- Extends DVI-D, Audio and RS-232 up to 75 m
- Uses easy to install, inexpensive STP CAT6 cable
- Video Resolutions up to 1920 x 1200 @ 60Hz (1280 x 1024 @ 75Hz) up to the maximum distance
- User selectable: DCC-Information used from the remotely located Monitor, from the locally located Monitor or from an internal DDC Table
- Full duplex RS232 up to 150kbps
- Compatible with all operating systems
- Compatible with all major Touch Screen and Tablet
- Rack Mount options (19")

5 DVI-D, AUDIO, RS232 E KVM EXTENDERS

KDX-200S

DVI-D + KVM (PS2) + AUDIO TRANSCEIVER UP TO 75 m



Applications:

The KDX-200S kit is composed by the KDX-TX200S transmitter and the KDX-RX200S receiver.

The KDX-TX200S transmitter gets the DVI-D signal from a PC and sends it, through two CAT6 cables, to the receiver which will regenerate the signal and send it to its final destination.

Together with the DVI-D signal the transmitter may also send a stereo audio signal and keyboard & mouse signals through PS2 connectors. In this way all the PC tools may be remoted, leaving at a distance only the main CPU unit.

The use of a CAT6 STP cable (shielded and twisted pairs) is necessary to guarantee the best quality level.

The KDX-RX200S receiver operates together with the KDX-TX200S transmitter. It receives the signals through two CAT6 cables and regenerates them toward a DVI-D monitor, a keyboard and a mouse. It also provides, if originally available on the transmitter, a stereo audio towards two active loudspeakers. In this way all the PC tools may be remoted, leaving at a distance only the main CPU unit.

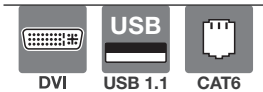
The use of a CAT6 STP cable (shielded and twisted pairs) is necessary to guarantee the best quality level.

Features:

- Extends DVI-D, Audio + KVM (PS2) up to 75 m
- Video Resolutions up to 1920 x 1200 @ 60Hz (1280x1024 @ 75Hz) up to the maximum distance
- Uses easy to install, inexpensive STP CAT6 cable
- Basic device to remotely located monitor, keyboard/mouse and sound
- Supports PS2-keyboard/mouse
- Maximum screen resolution up to 75m with STP CAT6
- Compatible with all operating systems
- Compatible with all major KVM switches
- Rack mount options (19")

DVX-PLUS

DVI-D + KVM (USB1.1) TRANSCEIVER UP TO 75 m



Applications:

The DVX-PLUS kit is composed by the DVXU-TXS transmitter and the DVXU-RXS receiver.

The DVXU-TXS transmitter makes, with the DVXU-RXS receiver, a pair, called DVX-PLUS, which is used to remote all PC tools, leaving at a distance only the main CPU unit.

The transmitter will be connected to the PC CPU by a DVI-D cable and a standard USB (A-B) one. Two pairs of CAT6 cables carry all signals to the receiver.

The use of a CAT6 STP cable (shielded and twisted pairs) is necessary to guarantee the best quality level.

The DVXU-RXS receiver receives all signals via two CAT6 cables. It provides a graphic DVI-D output for the monitor, and 4 USB outputs, two of which are used to connect keyboard and mouse. The use of a CAT6 STP cable (shielded and twisted pairs) is necessary to guarantee the best quality level.

Features:

- Extends USB and DVI signals up to 75m
- Uses easy to install, inexpensive STP CAT6 cable
- Data recovery for digital video
- Supports 1920x1200 digital video resolution
- Fully compliant with USB 1.1 specifications
- Supports 1.5 and 12 Mbps data rates
- Compatible with all operating systems
- External power adapter for transmitter and receiver unit
- Fully transparent (does not use any emulation)
- Plug and play

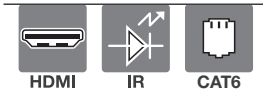
C. **6**

**HDMI
EXTENDERS**

HDX-1000S pag. 198

HDX-1000S

HDMI + IR (MONODIR.) CAT6 TRANSCEIVER UP TO 75 m



Applications:

The HDX-1000S kit is composed by the HDX-TX1000S transmitter and the HDX-RX1000S receiver.

The HDX-TX1000S transmitter gets the HDMI signal from a PC and sends it, through two CAT6 cables, to the receiver which will regenerate the signal and send it to its final destination. The use of a CAT6 STP cable (shielded and twisted pairs) is necessary to guarantee the best quality level. The HDX-TX1000S transmitter may receive through the CAT6 cable an IR signal sent by the CAT6 receiver and generate an IR output on which an emitter as the SM-LED may be connected to control a source from a distance.

The HDX-RX1000S receiver receives from the HDX-TX1000S transmitter through two CAT6 cables and regenerates the HDMI signal to send at destination.

The HDX-RX1000S receiver may be connected to an IR receiver such as the SM-EYE with the purpose of controlling from a distance the HDMI source by its remote control.

Features:

- Extends HDMI display with IR control up to 75m
- Top Image Quality at all Resolutions
- Maintains multiple high definition resolutions up to 1080p or UXGA for computers
- For the best results a **STP CAT6 AWG24** solid cable must be used
- Compatible with all operating systems
- Supports digital video/audio
- Supports DDWG standards for HDMI compliant monitors
- HDCP and HDMI compliant
- Sends Infrared Remote over CAT6
- Fully compliant with standard modulated IR and the latest IRDA

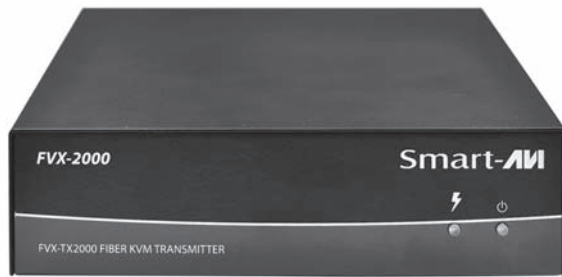
C. **7**

**FIBER OPTICS
SOLUTIONS**

<u>FVX-2000</u>	<u>pag. 200</u>
<u>FDX-2000</u>	<u>201</u>
<u>FDX-AV</u>	<u>201</u>
<u>FX-HDPROS</u>	<u>202</u>

FVX-2000

SXGA + KVM (PS2) TRANSCEIVER UP TO 75 m



Applications:

Transceiver FVX-2000 permits the transmission by multimode fiber optics of a SXGA signal other than keyboard and mouse (PS2) as well (KVM feature).

The FVX-2000 consists of both transmitter and receiver units, which enable long-distance, superior signal extension quality of XVGA and KVM components.

Equipped with XVGA and PS/2 connectors for a single-link and optional keyboard and mouse, this product is the perfect fiber solution for professional XVGA/KVM extension needs.

The maximum extension range from the source component to the digital display is 420m using multimode fiber.

Features:

- Top Signal Quality at Maximum Extension Over Multimode Fiber (420m.)
- Superior Image Quality at all Resolutions
- Video Resolutions up to 1920 x 1200 at 60Hz (1280x1024 at 75Hz)
- Customizable/Programmable DDC Table
- Supports PS/2 Keyboard/Mouse
- Supports Stereo Audio
- Supports XVGA
- Supports RS-232 Control from 300bps to 19,200bps
- Supports all PC/AT and PS/2 Keyboards with Full Emulation
- Caps Lock, Num Lock and Scroll Lock are Automatically Saved and Restored
- Fiber Plug Type LC
- Compatible With all Operating Systems
- Compatible With all Major KVM Switches
- Compact Metal Casing

Applications:

Transceiver FDX-2000 permits the remoting, by multimode fiber optics, of the all using tools of the PC leaving remote the PC only.

Optic transmitter must be connected to PC through a DVI-D cable, the two PS2 cables, the Audio jack 3.5mm cable and the RS232 cable. Maximum distance is 420m.

The FDX-2000 consists of both transmitter and receiver units, which enable long-distance, superior signal extension quality of KVM, DVI-D, audio and RS-232 components.

Equipped with DVI-D connectors for a single-link and optional keyboard and mouse, this product is the perfect fiber solution for professional KVM extension needs.

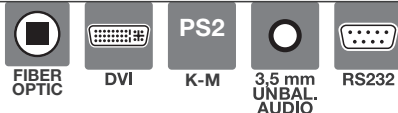
The maximum extension range from the source component to the digital display is 420m using multimode fiber.

Features:

- Top Signal Quality at Maximum Extension Over Multimode Fiber (420m.)
- Superior Image Quality at all Resolutions
- Video Resolutions up to 1920 x 1200 at 60Hz (1280x1024 at 75Hz)
- Customizable/Programmable DDC Table
- Supports PS/2 Keyboard/Mouse
- Supports Stereo Audio
- Supports DVI-D
- Supports RS-232 Control from 300bps to 19,200bps
- Supports all PC/AT and PS/2 Keyboards with Full Emulation
- Caps Lock, Num Lock and Scroll Lock are Automatically Saved and Restored
- Fiber Plug Type LC
- Compatible With all Operating Systems
- Compatible With all Major KVM Switches
- Compact Metal Casing

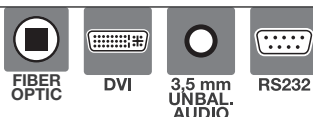
FDX-2000

DVI-D + KVM (PS2) + AUDIO + RS232 UP TO 420 m



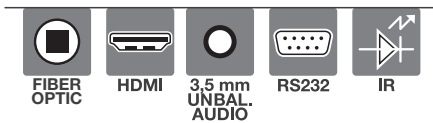
FDX-AV

DVI-D + AUDIO + RS232 TRANSCEIVER UP TO 420 m



FX-HDPROS

HDMI + AUDIO + IR + RS232 TRANSCEIVER UP TO 360 m



Applications:

Transceiver FX-HDPRO permits the remoting, by multimode fiber optics, of the all using tools of a DVD Player leaving remote the DVD Player only.

Optic transmitter must be connected to the DVD Player through an HDMI cable and one Audio cable in the case is not desired to use the embedded audio.

If DVD must be commanded by RS232 it's necessary to connect this cable as well.

In the remote location, the RS232 terminal or PC that have to send the command to DVD Player must be connected to the optical receiver through a RS232 cable.

If DVD Player must be commanded by IR, the IR emitter, outgoing from optical transmitter must be placed in order to spot the DVD Player.

In the remote location, the IR receiver that receives the IR light from the IR Control, must be connected to the optical receiver.

In this way, remotely, we are able to command all the functions of the DVD player.

Maximum distance is 360 m.

Features:

- Transmit DVI-D 1920x1200 60Hz With Crisp, Perfect Image
- Transmit Crystal-Clear Stereo Audio
- Transmit HDMI Signals up to 1200 Feet Without HDCP Dropouts or Errors
- Full IR and RS-232 Control
- High-Definition Resolutions up to 1920 x 1200 Achieved Over Fishing Line-Thin 'Invisible' Fiber Optics Cable Without Video or Audio Quality Loss
- Perfect 1080p HDTV Resolution
- IR Transparent IR Signal
- Full Creative Control Over Arrangement/Setup of Home Theater Components and Professional Digital Signage Displays Without Restrictive, Bulky Cables
- Unit Uses Extremely Cost-Effective Fiber Optics Cabling
- LC Fiber Plug Type
- Compatible With all Operating Systems
- Quick and Easy Setup

C. **8**

ACCESSORIES

SM-LED pag. 204

SM-EYE 204

HDC-VX-RXS 204

SM-LED

IR EMITTER 6' SINGLE LED



Applications:

SM-LED is an IR emitter led provided of a 1.8m cable ending with a 3.5mm jack.

It operates, in conjunction with the SM-EYE receiver, with a CAT5 Transmitter/Receiver pair and is usually connected to the CAT5 transmitter which is close to the source.

The SM-LED emitter needs to be placed so the light beam it emits hits the sensitive area of the source to be controlled.

SM-EYE

IR RECEIVER



Applications:

SM-EYE is an IR receiver provided of a 1.8m cable ending with a 3.5mm jack.

It operates, in conjunction with the SM-LED emitter, with a CAT5 Transmitter/Receiver pair and is usually connected to the CAT5 receiver which is close to the destination.

The user, who stays close to the destination, hits the SM-EYE receiver with the IR beam emitted by the SM-LED.

The signal, through the CAT5 cable, will be carried to the SM-LED emitter which will control the source device.

HDC-VX-RXS

CV + AUDIO + IR CAT5 RECEIVER



Applications:

The HDC-VX-RXS receiver is a CAT5 receiver which regenerates on its output a CV signal and a stereo audio one.

It is designed to work with a CAT5 matrix of the SmartNet-V kind. The outputs on the matrix are channeled on the CAT5 cable and at the end of it the signals are sent to destination through the interfacing of this receiver on CAT5.

An IR receiver such as the SM-EYE may be connected to the HDC-VX-RXS receiver to control a source from a distance through the IR remote control.

Features:

- Receives Composite Video Stereo Audio, IR over CAT5 cable
- Supports CAT5 length up to 300m
- Supports PAL, NTSC and SECAM
- Video 100 MHz Bandwidth
- Video cable compensation (automatic)
- Compatible with line level stereo audio signals
- High ground loop immunity
- Built-in lightning, power surge and transient protection
- Remote units come with buffered outputs
- Compact enclosure