HDMI Reticulation Solutions - HDBaseT

**What is HDBaseT?**

HDBaseT is a connectivity standard for home and commercial distribution of uncompressed HD multimedia content.

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**HDBaseT - 5Play**

The cornerstone of HDBaseT technology is 5Play™, a feature set that converges uncompressed full HD 3D and 2K/4K digital video, Dolby Digital, DTS, Dolby TrueHD, DTS HD-Master Audio, 100BaseT Ethernet, PoE and various control signals through a single 100m Cat5e/Cat6 LAN cable.

**FEATURES**

- **Video:** HDBaseT delivers full HD / 3D and 2K / 4K uncompressed video to a network of devices or to a single device (point-to-point).
- **Audio:** HDBaseT audio supports all standard formats, including Dolby Digital, DTS, Dolby TrueHD, and DTS HD-Master Audio.
- **Control:** HDBaseT enables multiple control signals for multiple purposes: Consumer Electronic Controls (CEC), Recommended Standard (RS)-232, USB, and infrared (IR).
- **Ethernet:** HDBaseT supports 100Mb Ethernet (up to 100m), enabling communication between televisions, sound systems, computers, and other CE devices as well as access to any stored multimedia content.
- **Power (PoE):** Up to 100W of DC power can also be delivered over the same CAT5e/6 cable.

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**HDBaseT Matrix Switch - 5Play**

<table>
<thead>
<tr>
<th>MODEL CODE</th>
<th>TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDMI4X4HDBT</td>
<td>4x HDMI In, 4x RJ45 Out</td>
</tr>
<tr>
<td>HDMI8X8HDBT</td>
<td>8x HDMI In, 8x RJ45 Out</td>
</tr>
<tr>
<td>HDMI507R</td>
<td>Cat6 Receiver with HDMI, PoE, LAN, IR &amp; RS-232</td>
</tr>
</tbody>
</table>

Requires HDMI507R receiver per output device

The HDBaseT™ 4 by 4 or 8 by 8 HDMI Matrix over CAT5e/6/7 supports the transmission of video (resolutions up to 1080p Full HD and (1920x1200)@60Hz), multi-channel digital audio and control via IR, RS-232 or Telnet from four or eight high definition sources to four or eight outputs over a single CAT5e/6/7 cable (up to 100m) for each output.

It supports high resolution digital audio formats such as LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio as well as 3D content that can be displayed when connecting a 3DTV and 3D source.

Power over Ethernet (PoE) support means that compatible receivers do not need their own power supplies, allowing for greater flexibility in installations.

**FEATURES**

- Supports HDMI 3D features
- Supports resolutions: VGA – WUXGA and 480i-1080p
- Supports distances up to 100 meters through CAT6 cables and 80m for CAT5e
- Supports PoE (Power over Ethernet)
- Supports bidirectional IR from input and output locations
- Supports RS-232, remote control, on-panel control and IP Control (Telnet)
- 2U size design
- Supports LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio

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**HDBaseT - 3Play**

HDBaseT 3Play™, a feature set that converges uncompressed full HD/3D and 2K/4K digital video, Dolby Digital, DTS, Dolby TrueHD, DTS HD-Master Audio and various control signals through a single 60m Cat5e/Cat6 LAN cable.

**FEATURES**

- **Video:** HDBaseT delivers full HD / 3D and 2K / 4K uncompressed video to a network of devices or to a single device (point-to-point).
- **Audio:** HDBaseT audio supports all standard formats, including Dolby Digital, DTS, Dolby TrueHD, and DTS HD-Master Audio.
- **Control:** HDBaseT enables multiple control signals for multiple purposes: Consumer Electronic Controls (CEC), Recommended Standard (RS)-232, USB, and infrared (IR).
## HDBaseT Lite Matrix Switch - 3Play

<table>
<thead>
<tr>
<th>MODEL CODE</th>
<th>TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDMI4H4CVL</td>
<td>4x HDMI In, 4x RJ45 Out</td>
</tr>
<tr>
<td>HDMI513RXL</td>
<td>HDBT Lite Cat5e/6 Receiver with HDMI, LAN, Audio</td>
</tr>
</tbody>
</table>

Requires HDMI513RXL receiver per output device.

The HDBaseT™ 4 by 4 HDMI Matrix over CAT5e/6 supports the transmission of video (resolutions up to 1080p Full HD and 1920x1200@60Hz), multi-channel digital audio and control via IR, RS-232 or Telnet from four high definition sources to four outputs over a single CAT5e/6 cable (up to 60m) for each output.

It supports high resolution digital audio formats such as LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio as well as 3D content that can be displayed when connecting a 3DTV and 3D source.

### FEATURES
- HDMI, HDCP1.1 and DVI compliant
- Supports HDMI 3D features
- Supports resolutions VGA~WUXGA and 480i~1080p dependent upon the output display’s EDID settings
- Supports distances up to 60 meters through CAT5e/6 cable
- Supports RS-232, remote control, on-panel control and IP Control (Telnet)
- 1U size design
- Supports external and internal EDID settings
- Supports LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio transmission

## HDBaseT Cat5/6 HDMI Extender - 5 Play

<table>
<thead>
<tr>
<th>MODEL CODE</th>
<th>TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDMI507T</td>
<td>Transmitter</td>
</tr>
<tr>
<td>HDMI507R</td>
<td>Receiver</td>
</tr>
</tbody>
</table>

### FEATURES
- HDMI with 3D, 4Kx2K support, HDCP & DVI compliant
- Supports CEC bypass
- Simultaneous transmission of uncompressed data over a single 100 m/328 ft CAT6/CAT5e cable
- Uncompressed video 1080p, 60 Hz, 36-bit
- Audio support up to 7.1CH & Dolby TrueHD, DTS-HD
- 5Play™ convergence: HDMI, LAN, POE & Control (IR & RS232)

## HDBaseT Lite Cat5e/6 HDMI Extender - 3 Play

<table>
<thead>
<tr>
<th>MODEL CODE</th>
<th>TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDMI513KIT</td>
<td>Transmitter &amp; Receiver</td>
</tr>
</tbody>
</table>

### FEATURES
- HDMI with 3D, 4Kx2K support, HDCP and DVI compliant
- Supports HDCP repeater and CEC bypass
- Supports HDMI (including HDCP) over a single CAT5e/6 up to 60m
- Full HD resolution support (1080p@60Hz/36-bit), 3D and 4Kx2K over 40m and PC resolution support (VGA to WUXGA) over CAT5e/6 cable
- Audio support up to LPCM 7.1CH, Dolby TrueHD, Dolby Digital & DTS-HD Master Audio transmission
- 3Play™ convergence HDMI & control (IR & RS232)
The CYP HDMI v1.3 Distribution Amplifier series is the most advanced solution for HDMI signal distribution. Each product in this series is compatible with HDMI v1.3 specifications, supports Deep Colour (8-bit and 12-bit) video and new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) digital audio with a high bandwidth up to 225MHz (6.75Gbps). This product acts as a signal amplifier and provides high performance I/O audio and video.

**FEATURES**
- HDMI 1.3, HDCP 1.1 and DVI 1.0 compliant, 3D compliant
- Supports Deep Colour video up to 12 bits, 1080p at 60Hz
- Splits audio and video from one HDMI input source simultaneously to 2, 4 or 8 outputs without signal loss
- Supports DVI source and DVI display using HDMI to/from DVI adapter cable
- Supports a wide range of PC and HDTV resolutions from VGA to UXGA and 480i to 1080p
- Writes the lowest timing supported among connected displays to memory, allowing the source device to send the optimum resolution to each display
### HDMI 4x4 Matrix Switch

<table>
<thead>
<tr>
<th>MODEL CODE</th>
<th>TYPE</th>
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</thead>
<tbody>
<tr>
<td>HDMI4X4S</td>
<td>4 in 4 out Matrix Switch</td>
</tr>
</tbody>
</table>

The HDMI4x4S is a true 4 input/4 output matrix HDMI switch. This switch allows any input to display on one or multiple output ports. 3D compatible

**FEATURES**
- HDMI 1.3, HDCP 1.1 and DVI 1.0 compliant
- Supports digital video formats in Deep Colour mode at up to 36 bit (12bits/colour) and new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) digital audio and LPCM7.1
- Supports input source LED indicators on each output selection
- Compatible with all HDMI sources and displays
- Supports PC and HDTV resolutions from VGA to UXGA and 480i to 1080p
- Supports RS-232 control
- Supports IR remote control and IR extender
- Dolby Digital, DTS digital audio transmission (32 - 192 kHz Fs sample rate)
- HDMI cable distance test with 1080p/8 bit & 12 bit resolution, the input/output can run up to 15M
- High performance matrix of 4 inputs and 4 outputs
- Re-timed & level compensated HDMI signal progress through the system
- Switchable EDID function
- Includes remote control

### HDMI 4x2 Matrix Switch

<table>
<thead>
<tr>
<th>MODEL CODE</th>
<th>TYPE</th>
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</thead>
<tbody>
<tr>
<td>HDMI4X2SDY</td>
<td>4 In 2 Out Matrix Switch</td>
</tr>
</tbody>
</table>

The 4x2 HDMI matrix switch is with 4 HDMI inputs and 2 HDMI outputs. It is a true matrix and can distribute any one of 4 sources to either of 2 displays, and can work as a splitter to show the same source on 2 displays simultaneously. It is HDMI v1.3 and supports full HD 1080p. 3D compatible

**FEATURES**
- 4X2 HDMI matrix switch LKV342 distributes any one of 4 sources to either of 2 displays or to both 2 displays simultaneously
- Compatible with full HD 480i, 480p, 576i, 576p, 720p, 1080i and 1080p
- Switch easily between multiple HDMI sources via remote control or via buttons on the unit

### HDMI Splitter Combo, Extender over Cat6

<table>
<thead>
<tr>
<th>MODEL CODE</th>
<th>TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDMI1H4C6</td>
<td>1 In 4 Out (HDMI + 3x Cat6 with IR)</td>
</tr>
<tr>
<td>HDMI6C6RIR</td>
<td>Cat6 Receiver with IR</td>
</tr>
</tbody>
</table>

- Cat6 Receiver required per output device

**FEATURES**
- HDMI 1.3, HDCP1.1 and DVI1.0 compliant, 3D compatible
- HDCP keysets allows each output to work independently
- Splits an HDMI source up to 4 outputs without signal loss
- Supports DVI source and DVI display
- Supports LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus & DTS-HD Master Audio transmission (32-192kHz Fs sample rate)
- Supports PC and HDTV resolutions from VGA to UXGA and 480i to 1080p
- HDMI cable distance test with 1080p resolution: output can run up to 10M/5.1CH
- IR remote control
- Re-timed and level-compensated with HDMI signal progress
## Section 10
### HDMI CAT5E / CAT6 EXTENDERS

### HDMI Cat5e/6 Extender Kit

<table>
<thead>
<tr>
<th>MODEL CODE</th>
<th>TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDMIC373</td>
<td>Transmitter &amp; Receiver</td>
</tr>
</tbody>
</table>

**FEATURES**
- HDMI 1.3, HDCP1.2 compliant
- Full HD resolution support (1080p@60Hz/36-bit)
- Audio support up to DTS-HD/Dolby-true HD/LPCM7.1/DTS/Dolby-AC3/DSD
- Supports HDMI (including HDCP) over a single CAT5e/6 up to 120m

### HDMI & IR Dual Cat6 Cable Extender

<table>
<thead>
<tr>
<th>MODEL CODE</th>
<th>TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDMIC6TIR</td>
<td>Transmitter with IR</td>
</tr>
<tr>
<td>HDMIC6RIR</td>
<td>Receiver with IR</td>
</tr>
</tbody>
</table>

**FEATURES**
- Compliant with HDMI 1.3, HDCP 1.1 and DVI1.1 standards
- Supports digital video formats in Deep Colour mode at up to 36 bits (12 bits/colour) and new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) Digital audio
- Supports infrared transmit and receive - IR cables included
- Supports high definition resolution:
  - at 1080p/8bits resolution the input/output source can run 30M - 45M
  - at 1080p/12bits resolution the input/output source can run up to 15M

### HDMI Dual Cat5e Extender

<table>
<thead>
<tr>
<th>MODEL CODE</th>
<th>TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDMIC5E</td>
<td>Transmitter &amp; Receiver</td>
</tr>
</tbody>
</table>

**FEATURES**
- Dual Cat5e cables replace HDMI cable to achieve long distance transmission
- Follows the standard of IEEE-568B
- Extends up to 25M at 1080p and 45M at 1080
- Signalling rates up to 2.25Gb@1080p
- Auto-adjustment of feedback, equalization and amplification
- Each port supports HDMI or DVI inputs
- HDCP compliant

### HDMI & USB Over Single Cat5e/6 Extender

<table>
<thead>
<tr>
<th>MODEL CODE</th>
<th>KIT INCLUDES</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDMIUSB100</td>
<td>Transmitter &amp; Receiver</td>
</tr>
</tbody>
</table>

**FEATURES**
- HDMI, USB, RS-232 & IR Extender
- Broadcasting system over single CAT5e/6
- Multimedia display and multi-data sharing
- Extends up to 100m via Cat5e/6
- Can cascade over Gigabit Ethernet switch via TCP/IP
- Matrix network system
- System control over RS-232 and equipment control over IR
- KVM control
HDMI OVER ETHERNET / EQUALIZER & ENHANCER

### HDMI Gigabit LAN Extender

**MODEL CODE**
- NVXM-130L: Transmitter
- NVXM-130R: Receiver

**FEATURES**
- Extend high video signal over LAN, depending on network performance
- 16 selections on the rotary DIP switch available for pairing
- Each pairing can broadcast up to 256 locations (TVs/Projectors)
- Using Giga LAN system for low latency
- Support web or serial to control the unit
- Assign video sources to any monitor on the video wall
- Support 2x2, 3x3, 4x4...8x8 Screen Array
- Automatic EDID
- HDCP-compliant and Blu-ray ready
- HDTV compatible; support 1080p, 1080i, 720p, 720i
- Compatible with most of the popular screen resolutions including:
  - XGA, SXGA, UXGA, WSXGA… Full HD system

### Video Over Ethernet

**MODEL CODE**
- VCNM-G90: HDMI, 1Gbps LAN
- VCNM-H90: HDMI, 100Mbps LAN
- VCND-90: DVI, 100Mbps LAN
- VCNA-90: VGA, 100Mbps LAN

**FEATURES**
- Extend video signal transmission by using the existing LAN system without additional wiring
- Easily add extra display(s) via the Ethernet port
- HDMI VCNM models include both video and audio
- Up to 4 units can be daisy chained and connected to an Ethernet hub
- Demonstrate media files and DVDs in either extend or clone mode
- Supports high resolution up to full HD (1920 x 1080)
- Supports Windows 2000 SP4, Windows XP SP2 or SP3, Windows Vista SP1/SP2, Windows 7 32-bit and 64-bit editions

### HDMI Equalizer

**MODEL CODE**
- HDMIEXT

Cable runs up to 40 meters from the source to the equalizer plus 10 meters from the equalizer to the projector, TV or monitor. Equalizer to be installed close to display end of the long cable run.

**FEATURES**
- Compliant with HDMI 1.3.
- HDCP1.1 compliant and downward compatible to HDCP1.0
- HDCP pass through
- Input/output resolutions
  - PC: VGA, SVGA, XGA, SXGA, UXGA up to 165MHz
  - HD: 480i/576i, 480p/576p, 720p,1080i,1080p
- Fully automatic equalization up to 40dB at 825MHz (1.65Gbps), no system control required
- Easy to install and simple to operate
- Power adapter included

### HDMI Inline Enhancer

**MODEL CODE**
- HDMIENH

**FEATURES**
- Built-in TMDS equalizer and CDR for long cable support
- Support video resolutions up to 1080p@60Hz
- Capable of receiving and transmitting 2.25Gbps data
- Without extra power support and will get 2W of power from the input device

### Video Over Ethernet

**MODEL CODE**
- VCNA-90
- VCND-90
### HDMI to Component Converter

**MODEL CODE**

HDMIHD02

**FEATURES**

- HDMI and DVI 1.0 compliant
- Supports 2 HDMI inputs and 2 audio outputs (digital coaxial, analog L/R)
- Supports HDMI input (8/10/12-bit), component output supports 8-bit
- Supports DVI input when using an HDMI to DVI adaptor
- HDMI audio input supports LPCM 2CH and supports sampling rates from 32 kHz to 192 kHz
- Component output support tri-level sync for 720p, 1080i and 1080p
- Built-in EDID

### HDMI to DVI Converter

**MODEL CODE**

HDMIFC05

**MAX RESOLUTION**

1920x1080

**FEATURES**

- HDMI 1.2, HDCP 1.1 and DVI 1.0 compliant
- HDMI input and DVI (or HDMI, using proper cable/adapter) with Coaxial output
- Automatically detects the input format between digital RGB and YPbPr
- Supports input/output video resolutions up to UXGA (PC) or 1080p@60Hz (HDTV)
- Supports input/output of digital audio signals like LPCM, Dolby Digital or DTS
- HDMI signal amplification and equalization supported

### HDMI Up Scaler Box

**MODEL CODE**

HDMISB01

**FEATURES**

- HDMI 1.2, HDCP 1.1 and DVI 1.0 compliant
- Automatically detect the factory setting of the connected display
- Supports 50/60 Hz frame rate conversion
- Provides output picture adjustment on contrast, brightness, hue, saturation, sharpness, RGB (color tone) level and aspect ratio size
- Supports high resolution output: PC: VGA, SVGA, XGA, SXGA, UXGA, WXGA, WSXGA, WUXGA, SD/HD: 480i, 576i, 480p, 576p, 720p, 1080i and 1080p

### Composite RCA to HDMI Up Scaler

**MODEL CODE**

HDMISB363

**FEATURES**

- Compliant with HDMI and HDCP
- RCA Audio Video input
- HDMI output resolution supports up to 1080p @ 60Hz, 36 bits
**HDMI Input to Composite**

**MODEL CODE**

HDMISB02

Designed to convert HDMI to either Composite video or S-Video. It allows the devices only equipped HDMI output to be connected to CRT TV. It is mostly applied in AV equipment testing, CCTV monitory, HD PC to TV, DV to projector, education, business promotion, etc.

**FEATURES**

- Input HDMI resolution: 480p (60Hz), 576P (50Hz), 720p (50Hz / 60Hz), 1080i (50Hz / 60Hz), 1080p (50Hz / 60Hz)
- Output signal: Composite video (1.0Vpp), S-Video(Y:1.0Vpp / C:0.3Vpp) Composite Video and S-Video are not able to be displayed simultaneously
- Output video systems: PAL/NTSC

**VGA, Component and RCA to HDMI Up Scaler**

**MODEL CODE**

HDMISB353

VGA+CVBS+YPbPr+audio to HDMI1080P/720p converter with scaler

**FEATURES**

- Compliant with HDMI 1.3 and HDCP
- Input: 1x VGA, 1x component video (Y Pb Pr), 3.5mm audio, RCA audio (R/L)
- Output: 1x HDMI (720p/50Hz/60Hz, 1080p/50Hz/60Hz)
- Output is fixed at 1080P/720P to avoid compatibility issues
- PC VGA resolution up to 1280x960 (60Hz)
- Component video (YPbPr) resolution up to 1080P (50 Hz, 60 Hz)

**HDMI to VGA Converter**

**MODEL CODE**

HDMIFC08

**FEATURES**

- HDMI 1.3, HDCP 1.1 and DVI compliant
- Supports HDMI input and analog PC or SD/HD output
- Supports output selection between YPbPr and RGB
- Max resolution: 1920x1200
- Built in EDID

**VGA to HDMI Up Scaler**

**MODEL CODE**

HDMISB05

**FEATURES**

- Upscales VGA to HDMI 720p or 1080p
- Supports high resolution output: PC: VGA, SVG, XGA, SXGA, WXGA, WSXGA, WUXGA; SD/HD: 480i, 480p, 576p, 720p, 1080i and 1080p
- Supports stereo LPCM analog/digital audio input and stereo LPCM analog/digital output.
### VGA to HDMI Up Scaler

**MODEL CODE**

HDMISB06

VGA to HDMI 1080p up scaler

**FEATURES**

- Up-scales VGA to HDMI 720p or 1080p;
- Supports VGA Input: 640x480@60/75Hz, 800x600@60/75Hz, 1024x768@60Hz, 1280x720@60Hz, 1280x800@60Hz, 1280x960@60Hz, 1360x768@60Hz, 1440x900@60Hz, 1400x1050@60Hz, 1680x1050@60Hz, 1920x1080@60Hz. (Recommended input resolution: 1024x768@60Hz)
- Supports HDMI Output: 720P/60Hz, 1080P/60Hz;
- Auto-store setting of output resolution

### DVI / VGA Converters

**MODEL CODE**

VC-DVID-VGA  VC-VGA-DVID

**TYPE**

- DVI-D to VGA Active Converter
- VGA to DVI-D Active Converter

**FEATURES**

- Select input between analog RGB and YPbPr manually.
- Select output between Bypass or digital RGB manually.
- Supports up to 1600 x 1200 @ 60 Hz for PC input and 1920 x 1080p @ 60 Hz for HD input.
- Built-in EDID

### SDI to HDMI HD Converter / Scaler

**MODEL CODE**

HDMISDI

Convert SDI or HD-SDI to HDMI

**FEATURES**

- Auto detect resolution of HD-SDI, SD-SDI and 3G-SDI
- Full HDMI supported with embedded audio
- Synchronized output audio video and audio
- SD-SDI signal max. distance 460m
- HD-SDI signal max. distance 230m
- Plug and play

### X-Ray Remote

**MODEL CODE**

REM-XRAY  REM-XRAYTX

**TYPE**

- Digital RF Remote Receiver
- Xray Remote Infrared Transmitter

The X-Ray Remote transmitter is installed in place of one of the AA or AAA batteries in your remote control

**FEATURES**

- Control your IR components from up to 30M away
- No direct line-of-sight necessary
- Works with most AA and AAA remote controls
- Receiver has built-in charger and comes with (2) 2/3 AAA specially-sized rechargeable batteries
- Adds RF to your existing remote by simply installing the transmitter
- Single-eye emitter included
## Audio Video Hardware

### Analogue Lip SYNC Corrector

**MODEL CODE**

DCT-18

Manually adjust the audio delay from 0~300 ms so you can perfectly synchronize your audio and video.

**FEATURES**

- The L/R In-Out Lip SYNC Corrector is a compact device that corrects audio delays between audio and video.

### UXGA to Composite Converter

**MODEL CODE**

VC200

Converts a variety of computer images (from 640x480 up to 1600x1200) to interlaced NTSC or PAL video. Formats include composite and S-Video.

**FEATURES**

- Automatically detects and down converts the incoming PC images to NTSC or PAL
- Resolution supported: UXGA (1600x1200 at 60Hz)
- Scales down PC video to composite/S-Video
- Image overscan/underscan selection

### Composite S-Video to WXGA Converter

**MODEL CODE**

VC105

Converts composite/S-Video (NTSC or PAL system) to XGA, SXGA and WXGA. It enables viewing of a DVD, VCR or game video source on a PC monitor.

**FEATURES**

- Input connectors: Composite video (RCA jack) x1, 1 Vp-p 75 ohm /
  S-video (mini-din) x1, 1Vp-p 75 ohm
- Input source selection
- Output connectors: D-sub 15 female (RGB 0.7Vp-p 75 ohm,
  H/sync. 3 Vp-p, V/sync. 3Vp-p) x 1
- Output resolutions: XGA: 1024 x 768 @ 60Hz,
  SXGA: 1240 x 1024 @ 60Hz, WXGA: 1366 x 768 @ 60Hz

### Audio Converter

**MODEL CODE**

DCT-3

Coaxial/Optical to R/L audio converter is an easy to use product that converts Coaxial or Optical audio signals into R/L audio

**FEATURES**

- Supports digital audio input (coaxial/optical) and analog audio output (R/L)
- Integrated digital interpolator filter and Digital to Analog Converter (DAC)
- Supports non-compression digital stereo audio input
- Supports SPDIF 24 bits of data for the left and right channel

### UXGA to Composite Converter

**MODEL CODE**

VC200

Converts a variety of computer images (from 640x480 up to 1600x1200) to interlaced NTSC or PAL video. Formats include composite and S-Video.

**FEATURES**

- Automatically detects and down converts the incoming PC images to NTSC or PAL
- Resolution supported: UXGA (1600x1200 at 60Hz)
- Scales down PC video to composite/S-Video
- Image overscan/underscan selection

### Composite S-Video to WXGA Converter

**MODEL CODE**

VC105

Converts composite/S-Video (NTSC or PAL system) to XGA, SXGA and WXGA. It enables viewing of a DVD, VCR or game video source on a PC monitor.

**FEATURES**

- Input connectors: Composite video (RCA jack) x1, 1 Vp-p 75 ohm /
  S-video (mini-din) x1, 1Vp-p 75 ohm
- Input source selection
- Output connectors: D-sub 15 female (RGB 0.7Vp-p 75 ohm,
  H/sync. 3 Vp-p, V/sync. 3Vp-p) x 1
- Output resolutions: XGA: 1024 x 768 @ 60Hz,
  SXGA: 1240 x 1024 @ 60Hz, WXGA: 1366 x 768 @ 60Hz

### Audio Converter

**MODEL CODE**

DCT-3

Coaxial/Optical to R/L audio converter is an easy to use product that converts Coaxial or Optical audio signals into R/L audio

**FEATURES**

- Supports digital audio input (coaxial/optical) and analog audio output (R/L)
- Integrated digital interpolator filter and Digital to Analog Converter (DAC)
- Supports non-compression digital stereo audio input
- Supports SPDIF 24 bits of data for the left and right channel
# Section 10

## CAT5E/CAT6 VGA EXTENDERS

### VGA CAT5 Extender

<table>
<thead>
<tr>
<th>MODEL CODE</th>
<th>TYPE</th>
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</thead>
<tbody>
<tr>
<td>EV214 BK</td>
<td>Video Extender Kit</td>
</tr>
</tbody>
</table>

The video extender links a transmitter connected by a Cat5e/Cat6 cable to a receiver to extend the distance between the PC and a remote monitor and speakers up to 150M

**FEATURES**

- Ultra compact
- Extend VGA signals up to 150M
- Use Cat5e/Cat6 cables for easy installation
- Max. resolution 1024 x 768 at 150M, 1280 x 1024 at 100M
- Local unit supports two VGA outputs
- Remote unit supports two VGA outputs
- For broadcasts, demonstrations and exhibitions

### VGA + Audio Cat5 Extender

<table>
<thead>
<tr>
<th>MODEL CODE</th>
<th>TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVA214 BK</td>
<td>Video &amp; Audio Extender Kit</td>
</tr>
</tbody>
</table>

The video and audio extender links a transmitter connected by a Cat5e/Cat6 cable to a receiver to extend the distance between the PC and a remote monitor and speakers up to 150M

**FEATURES**

- Ultra compact
- Extend VGA+ audio signals up to 150M
- Use Cat5e/Cat6 cables for easy installation
- Max. resolution 1024 x 768 @ 150M, 1280 x 1024 @ 100M
- Local unit supports two VGA + audio source outputs
- Remote unit supports two VGA + audio extension outputs
- For broadcasts, demonstrations and exhibitions

### VGA + Audio CAT5/6 Extender / Multiplexer

<table>
<thead>
<tr>
<th>MODEL CODE</th>
<th>TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVA124L</td>
<td>1 In 4 Out Video &amp; Audio Extender</td>
</tr>
<tr>
<td>EVA128L</td>
<td>1 In 8 Out Video &amp; Audio Extender</td>
</tr>
<tr>
<td>EVA02R</td>
<td>Remote Unit for EVA124L &amp; EVA128L</td>
</tr>
</tbody>
</table>

The video and audio extender links a transmitter connected by a Cat5e/Cat6 cable to multiple receivers to extend the distance between the PC and 4/8 remote monitors and speakers up to 150M

**FEATURES**

- Extend and distribute 4/8 VGA + audio signals up to 150M
- Use Cat5e/Cat6 cables for easy installation
- Max. resolution 1024 x 768 @ 150M, 1280 x 1024 @ 100M
- Local unit supports two VGA + audio outputs
- Remote unit supports two VGA + audio extension outputs
- For broadcasts, demonstrations and exhibitions

### VGA Cat5e/6 Extender

<table>
<thead>
<tr>
<th>MODEL CODE</th>
<th>TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>EV-1210L-BK</td>
<td>VGA &amp; Audio Over LAN Extender</td>
</tr>
</tbody>
</table>

**FEATURES**

- Supports VGA, SVGA and Multisync monitors
- Transmit VGA signals via CAT5 cables
- Gain (equalization) control selector designed for optimum signal clarity
- Extends video signal up to 150m
- Supports resolution of 1280 x 1024 over CAT5 cable
- No software or drivers required and easy to install
- Supports remote user
**VGA/XGA Splitters**

<table>
<thead>
<tr>
<th>MODEL CODE</th>
<th>TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>VSA-P12</td>
<td>2 Port</td>
</tr>
<tr>
<td>VSA-P14</td>
<td>4 Port</td>
</tr>
<tr>
<td>VSA-P18</td>
<td>8 Port</td>
</tr>
</tbody>
</table>

The VGA/XGA multiplexers duplicate and amplify PC signals for transmission to multiple monitors over distances of up to 65M with support for bandwidths of up to 350 MHz.

**FEATURES**
- Supports 350MHz maximum bandwidth, suitable for XGA, SVGA, VGA and multisync monitors
- Duplicates video signals to 2/4/8 monitors
- Gain control switch for optimum quality
- 5V DC power adapter included

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**VGA Switches / VGA & DVI SPLITTERS**

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**DVISplitters**

<table>
<thead>
<tr>
<th>MODEL CODE</th>
<th>TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>VSD-102</td>
<td>2-Port DVI Splitter</td>
</tr>
<tr>
<td>VSD-104</td>
<td>4-Port DVI Splitter</td>
</tr>
<tr>
<td>VSD-108</td>
<td>8-Port DVI Splitter</td>
</tr>
</tbody>
</table>

**FEATURES**
- Duplicates 1x Video input to multiple DVI outputs
- Automatic power-save when DVI input is lost
- Supports VGA, SVGA & multisync monitors
- Cascaded operation for increased DVI outputs
- Supports EDID and HDCP
- Rack mountable (4/8 Port)

Cables sold separately
C-DVI-D series cables required

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**VGA & Audio Switch**

<table>
<thead>
<tr>
<th>MODEL CODE</th>
<th>TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>VSA-P12</td>
<td>2 Port VGA &amp; Audio Switch</td>
</tr>
<tr>
<td>VSA-P14</td>
<td>4 Port VGA &amp; Audio Switch</td>
</tr>
<tr>
<td>VSA-P18</td>
<td>8 Port VGA &amp; Audio Switch</td>
</tr>
</tbody>
</table>

**FEATURES**
- 4x video input
- Signal input: HDB15-M x 4, audio jack x 4 sets
- Signal output: HDB15-F x 4, audio jack x 4 sets
- Full HD 1080p (1920 x 1080), WUXGA (1920 x 1200), 1920 x 1440
- Remote control (optional)
- Serial control
- Max. power consumption: 4.5W
- Dimensions: 220 x 34 x 100 (W x H x D (mm))

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**4/8 Port VGA Switches**

<table>
<thead>
<tr>
<th>MODEL CODE</th>
<th>TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>VSA-401</td>
<td>4 Port</td>
</tr>
<tr>
<td>VSA-801</td>
<td>8 Port</td>
</tr>
</tbody>
</table>

**FEATURES**
- Switches 4 or 8 VGA input to one monitor
- Supports VGA resolution up to 1920x1440
- Supports VGA, SVGA & multi-sync monitors
- Operated by hot key & PS/2 keyboard
- Supports 2x VGA outputs
- Auto-Scan detects linked computers
- LED shows active status of VGA input source