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DisplayPort Version 1.2

DisplayPort is a royalty-free digital display interface standard intended to be used primarily between a computer and its display monitor. In 2008, Apple introduced several products featuring a Mini DisplayPort as their sole video connector. As of October 2009, all current Mac models support output through a Mini DisplayPort.

DisplayPort v1.1 delivers up to 10.8 Gbps of bandwidth over standard cables, providing billions of colours, super fast refresh rates and the greatest colour depths.

DisplayPort Version 1.2 is a comprehensive extension to the original DisplayPort standard offering many new benefits to the end user including; double the data rate of v1.1a up to 21.6 Gbps (enabling higher performance 3D stereo displays); multiple monitor support from a desktop or notebook using only one DisplayPort connector; the ability to transport USB data between a PC and Display, supporting Display USB functions such as a webcam and USB hub. DisplayPort v1.2 is backward compatible with existing DisplayPort v1.1a systems.



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03 TP-121 and TP-122

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- Data Connectors: USB, CAT5e, CAT6
- 1, 2, 3, and 4 Gang
- Vertical and Horizontal Orientation

02 NEW PRODUCT High Speed HDMI 1.4 Cables - Support 3D and Ethernet



The HDMI interface is the uncompressed, all-digital, global connectivity standard that delivers true HD quality for consumer electronics and PC products via a single cable.

It transmits digital video, multi-channel surround sound, and advanced control data through a single cable, replacing up to eleven older cables with a single connection. Its simplicity is matched only by its extraordinary performance. High bandwidth, all-digital, and never compressed, HDMI provides the highest possible signal quality.

The new release of HDMI 1.4 features an Ethernet Channel (HEC) that enables data transfers of up to 100 Mbps (bi-directional / full-duplex) bandwidth between supported connected devices; Audio Return Channel (ARC) which enables broadcast audio to be easily streamed back to an external amplifier, and the AEC (Automatic Content Enhancement) provides support for future 3D video standards.

Increased resolution support (up to 4,096 x 2,160 pixels at up to 30Hz) and content recognition that promises to automatically optimize the TV's picture settings based on content type. HDMI 1.3c cables can support all HDMI 1.4 features except for the HDMI Ethernet Channel.



Dueltek HDMI 1.4 Part Numbers:

- **HDMI-4-MM-03-S:** 3M HDMI V1.4 M-M Silver Series Cable - Supports 3D and Ethernet
- **HDMI-4-MM-05-S:** 5M HDMI V1.4 M-M Silver Series Cable - Supports 3D and Ethernet

03 TP-121 and TP-122 Computer Graphics Video & Stereo Audio over Twisted Pair Receiver



The TP-121 and TP-122 are a twisted pair transmitter and receiver for computer graphics video, stereo and S/PDIF audio inputs. The TP-121 transmitter converts computer graphics video and unbalanced stereo audio signals into a twisted pair signal and the TP-122 converts the twisted pair signal back into a computer graphics video, unbalanced stereo and S/PDIF audio outputs.

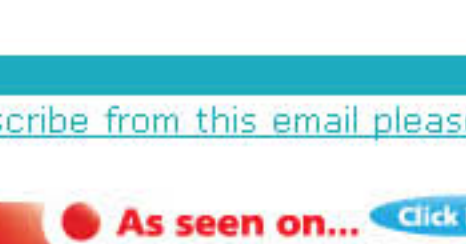
- HDTV Compatible.
- Max. Resolution - WUXGA & 1080p.
- Twisted Pair Connectors - RJ-45 connectors.
- Level (Gain) and EQ (Peaking) Controls - TP-122.
- System Range - Up to 100m (320ft).
- Cable - UTP (unshielded twisted pair) or STP (shielded twisted pair) such as CAT 5.
- Power Connect System - Only one unit in a system, the transmitter or the receiver needs to be connected to a power source when the devices are within 50m (150ft) of each other.
- Compact Kramer TOOLS - 3 units can be rack mounted side-by-side in a 1U rack space with the optional RK-3T rack adapter.



Specifications:

- INPUT: 1 RJ-45 line in connector.
- OUTPUT: 1 video VGA/UXGA connector; Audio: 1 audio S/PDIF RCA connector; 1 audio analogue 3.5mm mini jack.
- MAX. OUTPUT LEVEL: Video: 1V; Audio: 2.5V.
- MAX. RESOLUTION: WUXGA & 1080p.
- S/N RATIO: Video: 58dB unweighted, 68.3dB @5MHz weighted; Audio: <-80dB.
- TOTAL GAIN: Video: Analogue/analogue: 0dB., Analogue/SPDIF: -12dBFS.
- CONTROLS: Level: -7.5dB to +4.4dB, EQ.: 0dB to +33dBu (130m) @50MHZ.
- COUPLING: AC.
- TND+N: Audio: <0.01%.
- POWER SOURCE: 12V DC, 60mA.
- DIMENSIONS: 12cm x 7.5cm x 2.5cm W, D, H.
- WEIGHT: 0.3kg approx.
- ACCESSORIES: Power supply.
- OPTIONS: RK-3T 19 inch rack adapter.

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