

## 55 Series - HDMI Digital Cables

Technical drawings and specifications are available for these cables. Please ask your Calrad sales representative for details.

### WHAT IS HDMI?

HDMI (High-Definition Multimedia Interface) is the first industry-supported, uncompressed, all-digital audio/video interface. HDMI provides an interface between any audio/video source, such as a set-top box, DVD player, and A/V receiver and an audio and/or video monitor. HDMI is rapidly emerging as the connection standard for HDTV. Developed by Sony, Hitachi, Thomson (RCA), Philips, Matsushita (Panasonic), Toshiba and Silicon Image as the digital interface standard for the consumer electronics market, HDMI combines high-definition video and multi-channel audio in a single digital interface to provide crystal-clear digital quality over a single cable. One cable for audio and video dramatically simplifies home theater system installation and eliminates the cable mess behind entertainment system components. HDMI offers significant advantages over analog A/V connections, including the ability to transmit uncompressed digital video and audio content. The 19 pin HDMI cable delivers up to 5Gbps of bandwidth with a maximum signal delivery length of up to 15 meters.

### VIDEO DATA FORMATS

HDMI supports RGB, 4:4:4 YCbCr and 4:2:2 YCbCr. Up to 24 bits per pixel can be transferred. For the 640x480 resolution, the R'G'B' data has a range of 0-255. For YCbCr data and all other RGB resolutions, data has a range of 16-235 (16-240 for Cb and Cr; values less than 16 or greater than 235/240 may be occasionally present due to processing). Supports every uncompressed standard, enhanced and high definition video format ranging from 480i to 480P, 720P, 1080i and 1080P as well as existing PAL formats.

### AUDIO DATA FORMATS

Supports compressed audio formats such as Dolby Digital, Dolby Digital EX, DTS, DTS EX.. Driven by the DVD-Audio standard, audio support consists of 1-8 uncompressed audio streams with a sample rate of up to 48, 96 or 192 kHz, depending on the video format. It can alternately carry a compressed multi-channel audio stream at sample rates up to 192 kHz, up to 24-bits.

### (CEC) FORMAT

Supports Consumer Electronics Control (CEC) based on the AV.link protocol so it can be controlled with a universal remote that is used with multiple HDMI sources such as DVD players or satellite set-top boxes.

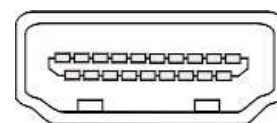
Is HDMI backward-compatible with DVI (Digital Visual Interface)?

Yes, HDMI is fully backward-compatible with DVI using the CEA-861 profile for DTVs. HDMI DTVs will display video received from existing DVI-equipped products, and DVI-equipped TVs will display video from HDMI sources.

### HDMI Male to Male

#### Lengths Available

55-626-3	3 feet
55-626-6	6 feet
55-626-10	10 feet
55-626-12	12 feet
55-626-15	15 feet
55-626-25	25 feet
55-626-35	35 feet
55-626-50	50 feet



HDMI Pinout

### DVI-D to HDMI Male to Male

#### Lengths Available

55-628-3	3 feet
55-628-6	6 feet
55-628-10	10 feet
55-628-12	12 feet
55-628-15	15 feet
55-628-25	25 feet
55-628-35	35 feet
55-628-50	50 feet



DVI-D Pinout

For HDMI  
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