



HDMI 2.0 / MHL 3.2 / USB 3.1 Cable Assembly

USB 3.1

Instant Connections

20 Times Speed Up, From 480 Mbps to 10G bps

USB 2.0
480Mbps

USB 3.0
5Gbps

USB 3.1
10Gbps



Universal Serial Bus (USB) connects more than computers and peripherals. It has the power to connect you with a whole new world of PC experiences.

Now, with the continued trend for more bandwidth driven by larger and faster storage solutions, higher resolution video, and broader use of USB as an external expansion/docking solution, USB 3.1 extends the performance range of USB up to 1GB/s by doubling the SuperSpeed USB clock rate to 10Gbps and enhancing data encoding efficiency.





HDMI 2.0 is Coming Now!

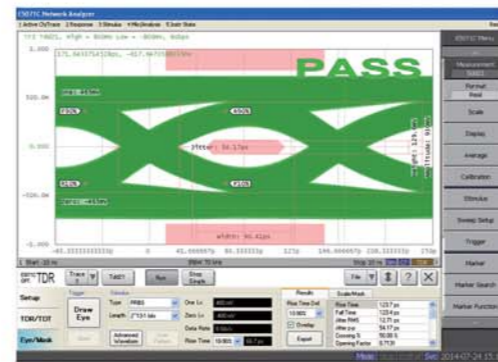


Overview

HDMI 2.0, which is backwards compatible with earlier versions of the HDMI specifications, significantly increases bandwidth up to 18Gbps and adds key enhancements to support continuing market requirements for enhancing the consumer video and audio experience.

New functionality includes:

- 4K@50/60, (2160p), which is 4 times the clarity of 1080p/60 video resolution
- Up to 32 audio channels for a multi-dimensional immersive audio experience
- Up to 1536kHz audio sample frequency for the highest audio fidelity
- Simultaneous delivery of dual video streams to multiple users on the same screen
- Simultaneous delivery of multi-stream audio to multiple users
- Support for the wide angle theatrical 21:9 video aspect ratio
- Dynamic synchronization of video and audio streams
- CEC extensions provides expanded command and control of consumer electronics devices through a single control point



HDMI 2.0

HDMI Version	1.4	2.0
Maximum Bandwidth (Gbps)	10.2	18
Maximum Resolution	4K2K@24	4K2K@60
Maximum LPCM Audio Channels	8 Channels	32 Channels
Maximum Audio Sampling Rate	768kHz	1536kHz
3D over HDMI	Yes	Yes
Ethernet Channel	Yes	Yes
Audio Return Channel (ARC)	Yes	Yes
CEC Extensions	No	Yes
Dual-view	No	Yes
Multi-stream Audio	No	Yes
21:9 Aspect Ratio	No	Yes
Dynamic auto Lip-Sync	No	Yes



HDMI 2.0 Cable with ETHERNET

MHL 3.2

YFC-BonEagle MHL Cable Assembly

Overview

The new innovations in MHL 3.2 pave the way for the technology's expansion into a broader set of home, office, and automotive applications. With an installed base of more than 330 million devices, MHL, as the world's most widely adopted mobile TV-out standard, will continue to evolve to meet consumer needs.

The MHL 3.2 specification capabilities include:

- 4K (Ultra HD): Support of 4Kx2K@30
- Simultaneous high-speed data channel
- Improved Remote Control Protocol (RCP) with support for peripherals such as a touch screen, keyboard and mouse
- Power charging up to 10W
- Backward compatible with MHL 1 and MHL 2
- Latest HDCP 2.2 content protection
- Enhanced 7.1 surround sound with Dolby® TrueHD and DTS-HD
- Connector agnostic – uses as few as five pins
- Support for simultaneous multiple displays



MHL 3.2

MHL Version	2.0	3.2
Maximum Resolution	1080p@60	4Kx2K@30
Power Charging	4.5W	10W

