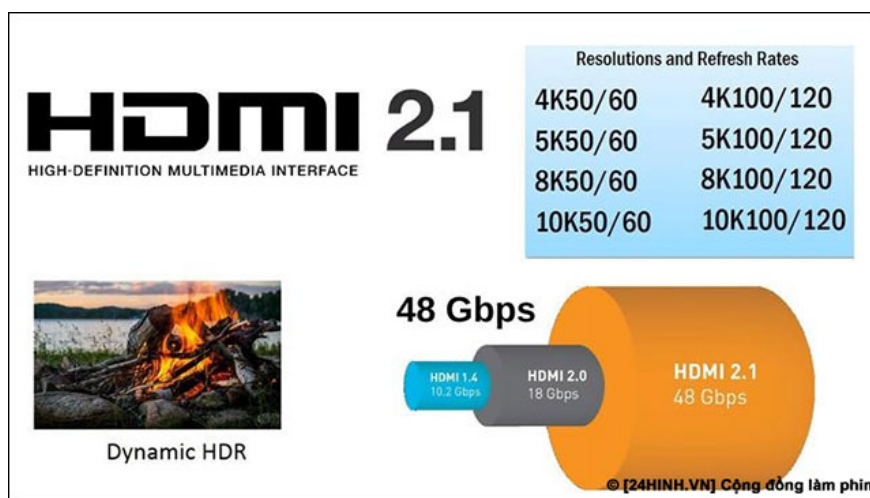


Officially released HDMI 2.1 standard that supports 10K video and Dynamic HDR

Up to now, this standard has been available on accessory cables, also compatible with all previous HDMI parameters.

Since January, the HDMI Forum has revealed a new standard for HDMI connectivity, named HDMI 2.1. Up to now, this standard has been available on accessory cables, also compatible with all previous HDMI parameters.

The important point on HDMI 2.1 is the wider video bandwidth, 48 Gbps support with the new ultra-high speed HDMI connector. It also supports higher refresh rates for high resolution videos - 60 Hz for 8K videos and 120 Hz for 4K videos. The new standard also supports Dynamic HDR and resolution up to 10K for commercial or special use.



The new HDMI standard focuses heavily on video bandwidth

The new HDMI standard with a higher refresh rate will be welcomed by gamers. VRR (Variable Refresh Rate) decreases, in some cases eliminating lag during game play, while Quick Frame Transport (QFT) will reduce latency.

See also: All things you need to know about HDMI 2.1 standard

Quick Media Switching QMS will reduce standby time by black screen during media transfer. HDMI 2.1 also has Auto Low Latency Mode (AKKM) that automatically sets the ideal delay, for the smoothest viewing experience.

This is a comparison between the HDMI versions, making it easy to imagine the upgrade after every standard upgrade.

	HDMI version						
	1	1.1	1.2-1.2a	1.3-1.3a	1.4-1.4b	2.0-2.0b	2.1
Full HD Blu-ray Disc and HD DVD video	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Consumer Electronic Control (CEC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DVD-Audio	No	Yes	Yes	Yes	Yes	Yes	Yes
Super Audio CD (DSD)	No	No	Yes	Yes	Yes	Yes	Yes
Auto lip-sync	No	No	No	Yes	Yes	Yes	Yes
Dolby TrueHD / DTS-HD Master Audio bitstream capable	No	No	No	Yes	Yes	Yes	Yes
Updated list of CEC commands	No	No	No	Yes	Yes	Yes	Yes
3D video	No	No	No	No	Yes	Yes	Yes
Ethernet channel (100 Mbit/s)	No	No	No	No	Yes	Yes	Yes
Audio return channel (ARC)	No	No	No	No	Yes	Yes	Yes
4 audio streams	No	No	No	No	No	Yes	Yes
2 video streams (Dual View)	No	No	No	No	No	Yes	Yes
Hybrid Log-Gamma (HLG) HDR OETF	No	No	No	No	No	Yes	Yes
Static HDR (HDR static metadata)	No	No	No	No	No	Yes	Yes
Dynamic HDR (HDR dynamic metadata)	No	No	No	No	No	No	Yes
Enhanced audio return channel (eARC)	No	No	No	No	No	No	Yes
Variable Refresh Rate (VRR)	No	No	No	No	No	No	Yes
Quick Media Switching (QMS)	No	No	No	No	No	No	Yes
Quick Frame Transport (QFT)	No	No	No	No	No	No	Yes
Auto Low Latency Mode (ALLM)	No	No	No	No	No	No	Yes
Display Stream Compression (DSC)	No	No	No	No	No	No	Yes

Comparison table of HDMI standards from 1 to 2.1

See also: Difference between HDMI and DVI

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