

What hdmi cable for 4k

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Ever since Apple announced its Mac Pro with a four-fold 4K Ultra HD support term 4K or Ultra High Definition has become increasingly popular. Today the whole industry is crazy about the new 4K advertising and offers 4K TVs for home theater, 4K displays for personal computers and - of course - things like 4K HDMI cable. But you really need that 4K HDMI cable or HDMI 2.0 Cable - Don't believe it. There is no such thing! 4K - Technical hurdles for HDMI Cable Attention, Alphabet Soup! 4K, 4K2K, Ultra High Definition, Ultra HD, UHD, Quad Full HD, FD, 2160p: Everything means the same! Namely, the next-generation HD-TV (let's call it 4K to keep it simple) with a maximum resolution of 4.096px x 2.160px and 8 million pixels and four times Full HD resolution. Of course, these large amounts of data require appropriate hardware. Not only should the TV support this ultra-high resolution (which is usually done through a huge size), but other components such as graphics cards and software (drivers) have to handle these huge amounts of information. Especially 4K ready-made HDMI cables are key as the serial interface between the 4K signal source and the high-end TV. Does every HDMI 4K Ultra HD cable support? To make it short: No, not every HDMI Cable supports 4k. But fortunately most of the cables you can buy today support HDMI 2.0 or HDMI 4k already. Just make sure they are properly classified as HDMI high-speed cable. After the HDMI cable version was fired a few years ago, hdmi cables today are classified only in standard hdmi cables or high-speed HDMI cables. Both types differ in maximum transmission speed (i.e. range): Standard HDMI cable: 1782 GBit/s (74.25 MHz x 8 bit x 3, Type A) High-speed HDMI Cable: 8.16 GBit/s (340 MHz x 8 bits x 3, Type A and C) As you can see HDMI high-speed cables provide much better performance than standard hdmi cables. Fortunately, most HDMI cables that you can buy in stores today are high-speed HDMI cables by default. Keep an eye out for the term hdmi high speed on the cable itself or on the HDMI cable packaging: Watch out for the high speed claim on the hdmi cable for 4K support! HDMI High Speed was introduced with 4K in mind. All HDMI cables that carry the HDMI high-speed logo really support the HDMI 2.0 standard and can transmit ultra-high resolution with 2160p and 24 Hz (4k). HDMI Licensing Org. Confirms this bluntly: All high-speed hdmi cables will support 4K functionality when connected to 4K devices. - target'_blank'gt;'hdmi.org/lt/a/lt;t't't:p'gt;: In turn, this means that hdmi cables that are not directly called High Speed cables ultimately do not support 4K. Do HDMI high-speed cables provide enough Bandwidth for HDMI 2.0? So far, hdmi high-speed cables support a maximum lane with 8.16 GBit/s. HDMI 2.0, however, requires 18 GBit/s. So how is it done? HDMI gives the answer: HDMI 2.0 specification identified a more efficient signaling method, for speeds above 1.4b limits (10.2 Gbps) to provide higher bandwidth (up to 18 Gbps) over existing high-speed HDMI wired cables. - If you want to make sure your HDMI cable supports Ultra HD 4K resolution, you should look for the HDMI high-speed logo on the cable packaging. The cable itself, as a rule, does not carry the logo, and should read the claims of HDMI high speed. If you want to be 100% sure that you can make the purchase of a new HDMI cable with explicit HDMI High Speed support. Because all HDMI cables provide the same display quality, you don't want to worry too much about choosing a new cable. As long as it carries a high speed logo and has a fair price, all right! HDMI Versions vs. HDMI Cable 4K Full 4K support was introduced with HDMI version 1.4. However, you can only be sure with cables certified as High Speed to support the high bandwidth requirements of HDMI 2.0. Cables classified Version 1.3 basically don't work for HDMI 4K functionality. The next list will give you a rough attitude. HDMI cable 1.0 - 1.2 - no 4K Ultra HD support HDMI cable 1.3: Probably No 4K support depending on hdmi cable 1.4: 4K support is very likely, but not guaranteed HDMI high-speed cable: 4K Ultra HD support guaranteed Conclusion: No need for 4K HDMI cable if you choose Speed! Don't allow you to trick stores or cable merchants with expensive HDMI 2.0 cables or 4K HDMI cables. There is no such thing, and never will be! Just go for a reasonable HDMI high-speed cable and save money. High-speed cables provide 100% compatibility at the moment and for future HDMI 2.0 content. The quality of the display is all the same. You don't need any new trendy cable equipment. This article is accurate and true to the best of the author's knowledge. Content has only information or entertainment purposes and does not replace personal advice or professional advice on business, financial, legal or technical issues. The questions and answers: Is there such a thing as the owner of HDMI cable? Answer: No, there are no branded HDMI cables. But mind different versions such as Highspeed and Premium HDMI cables. Not every cable supports all the features that HDMI is capable of. The question is: Can HDMI 2 support add Atmos up to 4k? Answer: HD Audio is also supported by HDMI 2.0! Question: Well, these days everyone should be equipped with a proper HDMI 2.0 cable to support 4k@60? Answer: If you buy a new and don't care too much about the price -- probably yes. However, if you just want a cheap solution for existing equipment, think twice. The question is: Is HDMI 2.0b even a real cable? Is THE BEST HDMI speed over Ethernet called Verizon 2.0b? Answer: Answer: b is relevant when using content with HDR (high dynamic range) color spectrum. Otherwise, there is not much difference in HDMI 2.0/a'tion: How about considerations of length? I sure don't think every high-speed HDMI cable will work well with an increase in length of, say, over 30 feet. Of course, you need special 4k branded cables to prevent signal loss in such cases. Right? Answer: For HDMI 2.0 cables, the length should not exceed 30 feet. While longer cables may eventually work, they are not officially supported by the HDMI standard. The brand doesn't matter; both branded and unbranded cables will struggle here. The question is: What about the speed of the monitor update? This should be taken into account if you are in games. Answer: If your hardware supports high upgrade speeds (60 Hz) and 4K, you should make sure that the HDMI cable supports these upgrade rates as well as for 4K resolutions. The question is: What is a good HDMI cable tester? Answer: Your eyes and ears! Honestly, you don't need special equipment to check the quality of your HDMI cable. If your signal is imperfect, you'll notice it through screen artifacts, display lags, or sound jumps. The question is: Do you need a sky HDMI cable for a 4K Skybox TV? Answer: No, any HDMI cable will do. Comments Shiva July 21, 2020: What do you mean by active HDMI cable and passive HDMI cable? Tobias (author) from Germany July 06, 2020: @Adeymcg The 1.3b Splitter is not enough for HDMI 4K. Replace the splitter that supports HDMI 2.0 at least. Adeymcg July 06, 2020: Hi, hope someone can help, recently bought a hdmi 3 way port splitter for my 4k TV and DVD player plus 4k cable TV. Now the picture grainy 4k seller says it's not a splitter, but what can I find a splitter supports HD 1.3b, supports 1080p, supports 250MHz/2.5Gbps, that 1.3b? Never heard of him that old? Seriously these specifications are enough to support 4K??? Joseph C on October 10, 2018: Do you know of any specific manufacturers to look out for, particularly anyone trying to sell HDMI 2.0 Cables/4k HDMI cables that don't really support 4k? Also, I'm a little confused, you say that the manufacturers of these cords actually say they are hdmi 4k cords and they don't support it - or do you say that you can get the same cord on the cheaper way, and manufacturers are trying to pull fast, jacking up the price of 4k cables? Tobias (author) from Germany July 22, 2018: KM, thanks for your comment. What inaccuracy are you specifically talking about? Will Hansen on April 11, 2018: Stay off the top on the new HDR TV. Fusion4k is a safe bet and a decent price for what you get. Tobias (author) from Germany February 21, 2018: Richard, 17.8 Gbit is a good indicator. To be completely However, you will need to check it out. Alternatively, you can look for cables that explicitly support HDMI 2.0(a/b). By Richard Howard on February 18, 2018: Next from supplier and mentions only 1.3 and 1.4 1.4 in the description. Will it be 2.0 compatible so I can get 60fps? I need to keep 4K on my ps4 pro. Is the key 17.8 gigabits and therefore everything else should be in order? Ideal for gaming, HD and 3D Viewing FULL HD 1080p, 1440p, 2160p Compatible Lab tested on 17.8 Gigabit 3D Ready Tobias (author) from Germany January 14, 2018: James, existing HDMI high-speed cables should work. However, if you want to be sure, you can buy one of the \$6 HDMI high-speed cables tied in the article above. They will work with 60Hz@4K because they fully support HDMI 2.0 Specifications. James January 13, 2018: Hey Tobias, could you explain what you mean by HDMI connector yourself? I'm going to buy a 4k player, and am considering upgrading the cables as you want to reach 60fps. My high speed cable with Ethernet - how can I know if I need a new one or not? Thanks buddy. Tobias (author) from Germany December 14, 2017: Techie is true, but only for the HDMI connector itself. Speaking of cables you can use conventional HDMI high-speed cables for HDMI 2.0 and 60 fps without any problems most of the time. Techie on December 08, 2017: This is a dangerous article as it doesn't mention that 8Gbps hdmi will outlast you to 30 FPS. HDMI 2.0 transfers at 18 Gbps, allowing 60 FPS. bo huggabee on May 19, 2017: I bought 10 \$2.0 hdmi from Walmart. I've had a high speed Sony cable in front of it for about 5 years now. The shorter cheaper cable has excellent

bandwidth, and if you know what it does for games with 4k TV, then you need it. I noticed it instantly. The image quality hasn't been changed very much except for the benefits of \$80 cable color technology. sharper smoother shading. The two cables have different tones though. very thin only, maybe the artist will notice. 2.0 cable allows you to use your proper level of upgrade with you TV, that's the point. instantly I noticed a massive change in the quality of everything around. my Sony cable still sells today for \$77 on Amazon. I bought a \$10 Ge cable from Walmart. It's a advancement in technology. while image quality holds up over time. the overall benefits of bandwidth far outweigh the choked signal. You can see beauty more often. and if your TV has a good upgrade speed, you'll see consecutive 60 fps compared to the incompatible and subtle drops I've had before. I'm looking for a cable that combines the benefits of both. Timmy Cross on April 15, 2017: If the hook top of the high-speed hdmi line up to the usual 1080 TV will make it better or do nothing at allAsrar Hassan on January 17, 2017: All I know is I use a cheapo \$4 HDMI cable and get a 4K 60hz :) Tobias (author) from Germany January 10, 2017: Hello Jeffrey, the cable associated in the article above is totally excellent for high speed applications. Not :-Jeffrey Shelley on Jan 09, 2017:I noticed the cables you have a link to Amazon don't have a high speed logo on them. Is this what I need for my 4k TV? Thanks.hi December 21, December, The anti-HDMI Cable 4KFull 4K support was introduced with hdMI version 1.4. However, you can only be sure with cables certified as High Speed to support the high bandwidth requirements of HDMI 2.0. Cables classified Version 1.3 basically don't work for HDMI 4K functionality. The next list will give you a rough attitude. HDMI cable 1.0 - 1.2 - no 4K Ultra HD HD support HDMI cable 1.3: Probably no 4K support depending on hdMI cable 1.4: 4K support is very likely, but not guaranteed HDMI high-speed cable: 4K Ultra HD support is guaranteed????????????? SandyJ-60601 of November 24, 2016: Marcy, the content displayed can also make a difference. Is your source really a 4k resolution or is it 1080p (or below) displayed on a 4k resolution? You may be getting a pixelation effect. They are probably displaying 4k or 1080p content that has been specifically made to show great resolution or great cinematic effects. If you're trying to compare this to the quality of family feud replays or MacGyver (circa 1980s), they're just not a comparison. Dave November 19, 2016: Marcy-Their TV is calibrated, your No. If this electronics store was Best Buy, they have their own signals coming through a source with much better quality than you. They also have their lighting tuned with the quality of the TV picture in mind. You can pay to have your TV calibrated to look as good as it can, but for the most part, it will always look better in the store.Robert September 28, 2016: You have to go back to the store and buy a new hdmi high speed 4.9 cable. You'll see Mercy G on September 24, 2016:I bought a vizio M SERIES 4k 55 inch TV, which is great, but when I go to the electronics store and see the D series vizio with a better resolution than mine??? I ask how is this more clear than my new 4k TV?? He said you plugged the HDMI high speed 4k cord and I said no and he showed me a few was 29.00 on target I brought it home and there is no difference that I do wrong?? Can someone tell me to wazzz up, please. Thank youMarcyDane on July 11, 2016: mmmmh... I see Amazon's main sales of HDMI high-speed cable as 1.4. I think people should also look for HDMI high-speed cable and 2.0 together. Some companies put HDMI high-speed cable and actually means HDMI 1.4 1.4 what is the best hdmi cable for 4k. what type of hdmi cable for 4k. what kind of hdmi cable for 4k. what is the best hdmi cable for 4k ultra hd tv. what type of hdmi cable for 4k tv. what type of hdmi cable for 4k hdr. what spec hdmi cable for 4k. what hdmi cable for 4k 60hz

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