

Possible resolutions of HDMI



Description	Resolution	Refresh Rate (Hz)	Data Rate	HDMI Version / Maximum Data Rate*				
				1.0 - 1.1	1.2 - 1.2a	1.3 - 1.4b	2.0 - 2.0b	2.1
				3.96 Gbit/s[b]	3.96 Gbit/s[b]	8.16 Gbit/s[b]	14.4 Gbit/s[b]	42.6 Gbit/s[b]
720p	1280 x 720	24	576Mbit/s	YES	YES	YES	YES	YES
		30	720Mbit/s	YES	YES	YES	YES	YES
		60	1.45Mbit/s	YES	YES	YES	YES	YES
		120	2.99 Gbit/s	NO	YES	YES	YES	YES
1080p	1920 x 1080	30	1.58 Gbit/s	YES	YES	YES	YES	YES
		60	3.20 Gbit/s	YES	YES	YES	YES	YES
		120	6.59 Gbit/s	NO	NO	YES	YES	YES
		144	8.00 Gbit/s	NO	NO	YES	YES	YES
		240	14.00 Gbit/s	NO	NO	NO	YES	YES
1440p	2560 x 1440	30	2.78 Gbit/s	NO	YES	YES	YES	YES
		60	5.63 Gbit/s	NO	NO	YES	YES	YES
		75	7.09 Gbit/s	NO	NO	YES	YES	YES
		120	11.59 Gbit/s	NO	NO	NO	YES	YES
		144	14.08 Gbit/s	NO	NO	NO	YES	YES
		165	16.30 Gbit/s	NO	NO	NO	NO	YES
		240	24.62 Gbit/s	NO	NO	NO	NO	YES
4K	3840 x 2160	30	6.18 Gbit/s	NO	NO	YES	YES	YES
		60	12.54 Gbit/s	NO	NO	NO	YES	YES
		75	15.79 Gbit/s	NO	NO	NO	NO	YES
		120	25.82 Gbit/s	NO	NO	NO	NO	YES
		144	31.35 Gbit/s	NO	NO	NO	NO	YES
		240	54.84 Gbit/s	NO	NO	NO	NO	YES DSC SUPPORT**
5K	5120 x 2880	30	10.94 Gbit/s	NO	NO	NO	YES	YES
		60	22.18 Gbit/s	NO	NO	NO	NO	YES
		120	45.66 Gbit/s	NO	NO	NO	NO	YES DSC SUPPORT**
8K	7680 x 4320	30	24.48 Gbit/s	NO	NO	NO	NO	YES
		60	49.65 Gbit/s	NO	NO	NO	NO	YES DSC SUPPORT**
		120	102.2 Gbit/s	NO	NO	NO	NO	YES DSC SUPPORT**

*Maximum Data Rate means 8b/10b overhead subtracted.

**DSC - Display Stream Compression. VESA, the Video Electronics Standard Association published a new standard in 2014 that uses visually lossless image compression to increase the amount of data carried by a display interface data rate, thus saving power.

Possible resolutions of DisplayPort



Description	Resolution	Refresh Rate (Hz)	Data Rate	DisplayPort Version / Maximum Data Rate*			
				1.0 -1.1a	1.2 -1.2a	1.3	1.4
				8.64 Gbit/s[b]	17.28 Gbit/s[b]	25.92 Gbit/s[b]	25.92 Gbit/s[b]
720p	1280 x 720	24	576Mbit/s	YES	YES	YES	YES
		30	720Mbit/s	YES	YES	YES	YES
		60	1.45Mbit/s	YES	YES	YES	YES
		120	2.99 Gbit/s	YES	YES	YES	YES
1080p	1920 x 1080	30	1.58 Gbit/s	YES	YES	YES	YES
		60	3.20 Gbit/s	YES	YES	YES	YES
		120	6.59 Gbit/s	YES	YES	YES	YES
		144	8.00 Gbit/s	YES	YES	YES	YES
		240	14.00 Gbit/s	NO	YES	YES	YES
1440p	2560 x 1440	30	2.78 Gbit/s	YES	YES	YES	YES
		60	5.63 Gbit/s	YES	YES	YES	YES
		75	7.09 Gbit/s	YES	YES	YES	YES
		120	11.59 Gbit/s	NO	YES	YES	YES
		144	14.08 Gbit/s	NO	YES	YES	YES
		165	16.30 Gbit/s	NO	YES	YES	YES
		240	24.62 Gbit/s	NO	NO	YES	YES
4K	3840 x 2160	30	6.18 Gbit/s	YES	YES	YES	YES
		60	12.54 Gbit/s	NO	YES	YES	YES
		75	15.79 Gbit/s	NO	YES	YES	YES
		120	25.82 Gbit/s	NO	NO	YES	YES
		144	31.35 Gbit/s	NO	NO	NO	YES DSC SUPPORT**
		240	54.84 Gbit/s	NO	NO	NO	YES DSC SUPPORT**
5K	5120 x 2880	30	10.94 Gbit/s	NO	YES	YES	YES
		60	22.18 Gbit/s	NO	NO	YES	YES
		120	45.66 Gbit/s	NO	NO	NO	YES DSC SUPPORT**
8K	7680 x 4320	30	24.48 Gbit/s	NO	NO	YES	YES
		60	49.65 Gbit/s	NO	NO	NO	YES DSC SUPPORT**
		120	102.2 Gbit/s	NO	NO	NO	NO

*Maximum Data Rate means 8b/10b overhead subtracted.

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Possible resolutions of DVI



Description	Resolution	Refresh Rate (Hz)	Data Rate	DVI / Maximum Data Rate*	
				Single Link	Dual Link
				3.96 Gbit/s[b]	7.92 Gbit/s[b]
720p	1280 x 720	24	576Mbit/s	YES	YES
		30	720Mbit/s	YES	YES
		60	1.45Mbit/s	YES	YES
		120	2.99 Gbit/s	NO	YES
1080p	1920 x 1080	30	1.58 Gbit/s	YES	YES
		60	3.20 Gbit/s	YES	YES
		120	6.59 Gbit/s	NO	YES
		144	8.00 Gbit/s	NO	NO
		240	14.00 Gbit/s	NO	NO
1440p	2560 x 1440	30	2.78 Gbit/s	NO	YES
		60	5.63 Gbit/s	NO	YES
		75	7.09 Gbit/s	NO	YES
		120	11.59 Gbit/s	NO	NO
		144	14.08 Gbit/s	NO	NO
		165	16.30 Gbit/s	NO	NO
		240	24.62 Gbit/s	NO	NO
4K	3840 x 2160	30	6.18 Gbit/s	NO	YES
		60	12.54 Gbit/s	NO	NO
		75	15.79 Gbit/s	NO	NO
		120	25.82 Gbit/s	NO	NO
		144	31.35 Gbit/s	NO	NO
		240	54.84 Gbit/s	NO	NO
5K	5120 x 2880	30	10.94 Gbit/s	NO	NO
		60	22.18 Gbit/s	NO	NO
		120	45.66 Gbit/s	NO	NO
8K	7680 x 4320	30	24.48 Gbit/s	NO	NO
		60	49.65 Gbit/s	NO	NO
		120	102.2 Gbit/s	NO	NO

*Maximum Data Rate means 8b/10b overhead subtracted.