

	HDMI version				
	1.0–1.2a	1.3–1.3a	1.4–1.4b	2.0–2.0b	2.1
Release date	Dec 2002 (1.0) ^[128] May 2004 (1.1) Aug 2005 (1.2) ^[129] Dec 2005 (1.2a) ^[130]	Jun 2006 (1.3) ^[131] Nov 2006 (1.3a) ^[6]	Jun 2009 (1.4) ^[132] Mar 2010 (1.4a) ^[108] Oct 2011 (1.4b)	Sep 2013 (2.0) ^[112] Apr 2015 (2.0a) ^[133] Mar 2016 (2.0b)	Nov 2017 ^[134]
Signal specifications					
Max. transmission bit rate (Gbit/s) ^[a]	4.95	10.2	10.2	18.0	48.0
Max. data rate (Gbit/s) ^[b]	3.96	8.16	8.16	14.4	42.6
Max. TMDS character rate (MHz) ^[c]	165 ^{[95](§3)}	340 ^[131]	340	600 ^{[113](§6.1.1)}	N/A
Data channels	3	3	3	3	4
Encoding scheme ^[d]	TMDS ^{[95](§5.1)}	TMDS	TMDS	TMDS	16b/18b ^[125]
Encoding efficiency	80%	80%	80%	80%	88.8%
Compression	–	–	–	–	DSC 1.2 (optional) ^[135]
Color format support					
RGB	Yes ^{[95](§6.2.3)}	Yes	Yes	Yes	Yes
Y'CbCr 4:4:4	Yes ^{[95](§6.2.3)}	Yes	Yes	Yes	Yes
Y'CbCr 4:2:2	Yes ^{[95](§6.2.3)}	Yes	Yes	Yes	Yes
Y'CbCr 4:2:0	No	No	No ^[e]	Yes ^{[113](§7.1)}	Yes
Color depth support					
8 bpc (24 bit/px)	Yes ^{[95](§3)}	Yes	Yes	Yes	Yes
10 bpc (30 bit/px)	Yes ^[f]	Yes	Yes	Yes	Yes
12 bpc (36 bit/px)	Yes ^[f]	Yes	Yes	Yes	Yes
16 bpc (48 bit/px)	No	Yes ^{[6](§6.5)}	Yes	Yes	Yes
Color space support					
SMPTE 170M	Yes ^{[95](§6.7.1)}	Yes	Yes	Yes	Yes
ITU-R BT.601	Yes ^{[95](§6.7.1)}	Yes	Yes	Yes	Yes
ITU-R BT.709	Yes ^{[95](§6.7.2)}	Yes	Yes	Yes	Yes
sRGB	No	Yes ^{[6](§6.7.1.3)}	Yes	Yes	Yes
xYCC	No	Yes ^{[6](§6.7.2.3)}	Yes	Yes	Yes
sYCC ₆₀₁	No	No	Yes ^{[65](§6.7.2.4)}	Yes	Yes
AdobeYCC ₆₀₁	No	No	Yes ^{[65](§6.7.2.5)}	Yes	Yes
Adobe RGB (1998)	No	No	Yes ^{[65](§6.7.2.5)}	Yes	Yes
ITU-R BT.2020	No	No	No	Yes ^{[113](§7.2.2)}	Yes
Audio specifications					
Max. sample rate per channel (kHz)	192 ^{[95](§7.3)}	192	192	192	192
Max. aggregate sample rate	?	?	768 ^{[65](§7.3)}	1536 ^{[113](§9.2)}	1536