

## Basic list of video formats supported by the VIO 4K

This list only contains the list of the typical video formats supported by the **VIO 4K**. However, the **VIO 4K** can also handle custom video formats (both for inputs and outputs) as long as their characteristics match the **VIO 4K's** capabilities.

Format	Frame size	Aspect ratio	Rate	Digital					Analog		Broadcast		
				Timings	Colorimetry	HDMI	DVI-D	DisplayPort	HD15		SDI/OPTICAL		
						Support status	Link type	Support status	Timings	Colorimetry	Timings	Transport	Colorimetry
SDTV PAL/576i	720x576	4:3	50 Hz	CEA-861 (VIC 21) ITU-R BT.656	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Pixel freq. below 25 Mpixels/s	Supported	ITU-R BT.1700	RGBs (RGB with a TTL composite sync) RGBs (RGB with sync on green) YUV (YPbPr ITU-R BT.601)	ITU-R BT.656	1 link at 270Mb/s (SMPTE 259M-C)	YCbCr 4:2:2 10 bits (ITU-R BT.601)
		16:9		CEA-861 (VIC 22) ITU-R BT.656									
SDTV NTSC/480i	720x486	4:3	59.94 Hz	No standard compatible for these plugs					SMPTE 170M	RGBs (RGB with a TTL composite sync) RGBs (RGB with sync on green) YUV (YPbPr ITU-R BT.601)	SMPTE 125M	1 link at 270Mb/s (SMPTE 259M-C)	YCbCr 4:2:2 10 bits (ITU-R BT.601)
		16:9											
CEA-861 480i	720x480	4:3	59.94 Hz / 60 Hz	CEA-861 (VIC 6) CEA-770.2	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Pixel freq. below 25 Mpixels/s	Supported	No standard compatible for this plug	No standard compatible for these plugs			
		16:9	59.94 Hz / 60 Hz	CEA-861 (VIC 7) CEA-770.2									
EDTV 480p	720x483	4:3	59.94 Hz	ITU-R BT.1358 SMPTE 293M	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Single link	Supported	ITU-R BT.1358 SMPTE 293M	RGBs (RGB with a TTL composite sync) RGBs (RGB with sync on green) YUV (YPbPr ITU-R BT.601)	Not supported		
		16:9											
EDTV 576p	720x576	4:3	50 Hz	ITU-R BT.1358	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Single link	Supported	ITU-R BT.1358	RGBs (RGB with a TTL composite sync) RGBs (RGB with sync on green) YUV (YPbPr ITU-R BT.601)	Not supported		
		16:9											
HDTV 720p	1280x720	16:9	23.97 Hz / 24 Hz	CEA-861 (VIC 60) SMPTE 274M	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.709)	Supported	Single link	Supported	SMPTE ST296	YUV (YPbPr ITU-R BT.709)	SMPTE ST296	1 link at 1.5Gb/s (SMPTE ST292)	YCbCr 4:2:2 10 bits (SMPTE ST292, ITU-R BT.709)
			25 Hz	CEA-861 (VIC 61) SMPTE 274M									
			29.97 Hz / 30 Hz	CEA-861 (VIC 62) SMPTE 274M									
			50 Hz	CEA-861 (VIC 19) SMPTE 274M									
			59.94 Hz / 60 Hz	CEA-861 (VIC 4) SMPTE 274M									
HDTV 1035i	1920x1035	16:9	59.94 Hz / 60 Hz	No standard compatible for these plugs					SMPTE 240M	YUV (YPbPr ITU-R BT.709)	SMPTE 260M	1 link at 1.5Gb/s (SMPTE ST292)	YCbCr 4:2:2 10 bits (SMPTE ST292, ITU-R BT.709)

Format	Frame size	Aspect ratio	Rate	Digital					Analog		Broadcast				
				Timings	Colorimetry	HDMI	DVI-D	DisplayPort	HD15		SDI/OPTICAL				
						Support status	Link type	Support status	Timings	Colorimetry	Timings	Transport	Colorimetry		
HDTV 1080i	1920x1080	16:9	50 Hz	CEA-861 (VIC 20) SMPTE 274M	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.709)	Supported	Single link	Supported	SMPTE 274M	YUV (YPbPr ITU-R BT.709)	SMPTE 274M	1 link at 1.5Gb/s (SMPTE ST292)	YCbCr 4:2:2 10 bits (SMPTE ST292, ITU-R BT.709)		
			59.94 Hz / 60 Hz	CEA-861 (VIC 5) SMPTE 274M								1 link at 1.5Gb/s (SMPTE ST292)			
HDTV 1080p	1920x1080	16:9	23.97 Hz / 24 Hz	CEA-861 (VIC 32) SMPTE 274M	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.709)	Supported	Single link	Supported	SMPTE 274M	YUV (YPbPr ITU-R BT.709)	SMPTE 274M	1 link at 1.5Gb/s (SMPTE ST292)	YCbCr 4:2:2 10 bits (SMPTE ST292, ITU-R BT.709)		
			25 Hz	CEA-861 (VIC 33) SMPTE 274M											
			29.97 Hz / 30 Hz	CEA-861 (VIC 34) SMPTE 274M											
			50 Hz	CEA-861 (VIC 31) SMPTE 274M								1 link at 3Gb/s Level A (SMPTE ST425-1)		YCbCr 4:2:2 10 bits (SMPTE ST425-1, ITU-R BT.709)	
			59.94 Hz / 60 Hz	CEA-861 (VIC 16) SMPTE 274M								1 link at 3Gb/s Level B (SMPTE ST425-1)			
PROJECTOR 1200p	1920x1200	16:10	50 Hz	No official standard : Specific projector format	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.709)	Supported	Single link	Supported	No standard compatible for this plug	No official standard : Specific projector format (not compatible with all projectors)	1 link at 3Gb/s Level A (SMPTE ST425-1)	YCbCr 4:2:2 10 bits (SMPTE ST425-1, ITU-R BT.709)			
			59.94 Hz												
			60 Hz												
2K	2048x1080	Not standard	23.97 Hz / 24 Hz	No official standard : Adaptation of SMPTE ST2048-2	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.709)	Supported	Single link	Supported	No official standard : Adaptation of SMPTE ST2048-2	YUV (YPbPr ITU-R BT.709)	SMPTE ST2048-2	1 link at 1.5Gb/s (SMPTE ST292)	YCbCr 4:2:2 10 bits (SMPTE ST292, ITU-R BT.709)		
			25 Hz												
			29.97 Hz / 30 Hz												
			47.95 Hz / 48 Hz									1 link at 3Gb/s Level A (SMPTE ST425-1)		YCbCr 4:2:2 10 bits (SMPTE ST425-1, ITU-R BT.709)	
			50 Hz									1 link at 3Gb/s Level B (SMPTE ST425-1)			
59.94 Hz / 60 Hz															
UHDTV 2160p	3840x2160	16:9	23.97 Hz / 24 Hz	CEA-861 (VIC 93) SMPTE 274M	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.709)	Supported	Dual link	Supported	Pixel freq. higher than 205 Mpixels/s	SMPTE ST2036-1	1 link at 6Gb/s (SMPTE ST2081)	YCbCr 4:2:2 10 bits (SMPTE ST2081, ITU-R BT.709)			
			25 Hz	CEA-861 (VIC 94) SMPTE 274M											
			29.97 Hz / 30 Hz	CEA-861 (VIC 95) SMPTE 274M											
			50 Hz	CEA-861 (VIC 96) SMPTE 274M									Supported (Option board 4K60 only)	Pixel freq. higher than 330 Mpixels/s	Supported (Option board 4K60 only)
			59.94 Hz / 60 Hz	CEA-861 (VIC 97) SMPTE 274M									Support on future option boards		

Format	Frame size	Aspect ratio	Rate	Digital					Analog		Broadcast			
				Timings	Colorimetry	HDMI	DVI-D	DisplayPort	HD15		SDI/OPTICAL			
						Support status	Link type	Support status	Timings	Colorimetry	Timings	Transport	Colorimetry	
4K	4096x2160	Not standard	23.97 Hz / 24 Hz	CEA-861 (VIC 98) SMPTE 274M	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.709)	Supported	Dual link	Supported	Pixel freq. higher than 205 Mpixels/s			SMPTE ST2048-2	1 link at 6Gb/s (SMPTE ST2081)	YCbCr 4:2:2 10 bits (SMPTE ST2081, ITU-R BT.709)
			25 Hz	CEA-861 (VIC 99) SMPTE 274M										
			29.97 Hz / 30 Hz	CEA-861 (VIC 100) SMPTE 274M										
			47.95 Hz / 48 Hz	No official standard : Adaptation of SMPTE ST2048-2										
			50 Hz	CEA-861 (VIC 101) SMPTE 274M										
			59.94 Hz / 60 Hz	CEA-861 (VIC 102) SMPTE 274M										
Support on future option boards														
DMT 640x480 (VGA)	640x480	4:3	50 Hz	VESA CVT	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Pixel freq. below 25 Mpixels/s	Single link	Supported	VESA CVT	RGBs (RGB with a TTL composite sync) RGsB (RGB with sync on green) RGB HV (RGB with separate TTL syncs)	No standard compatible for these plugs		
			60 Hz	VESA DMT (ID 04h)										
			72 Hz	VESA DMT (ID 05h)										
			75 Hz	VESA DMT (ID 06h)										
			85Hz	VESA DMT (ID 07h)										
800x480 (WVGA)	800x480	15:9	60 Hz	No official standard : Custom format based VGA	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Single link	Supported	No official standard : Custom format based VGA	RGBs (RGB with a TTL composite sync) RGsB (RGB with sync on green) RGB HV (RGB with separate TTL syncs)	No standard compatible for these plugs			
			50 Hz	VESA CVT										
DMT 800x600 (SVGA)	800x600	4:3	50 Hz	VESA CVT	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Single link	Supported	VESA CVT	RGBs (RGB with a TTL composite sync) RGsB (RGB with sync on green) RGB HV (RGB with separate TTL syncs)	No standard compatible for these plugs			
			60 Hz	VESA DMT (ID 09h)										
			72 Hz	VESA DMT (ID 0Ah)										
			75 Hz	VESA DMT (ID 0Bh)										
			85 Hz	VESA DMT (ID 0Ch)										
			120 Hz	VESA DMT (ID 0Dh)										

Format	Frame size	Aspect ratio	Rate	Digital					Analog		Broadcast		
				Timings	Colorimetry	HDMI	DVI-D	DisplayPort	HD15		SDI/OPTICAL		
						Support status	Link type	Support status	Timings	Colorimetry	Timings	Transport	Colorimetry
<b>DMT 848x480 (WVGA)</b>	848x480	16:9	50 Hz	VESA CVT	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Single link	Supported	VESA CVT	RGBs (RGB with a TTL composite sync) RGsB (RGB with sync on green) RGB HV (RGB with separate TTL syncs)	No standard compatible for these plugs		
			60 Hz	VESA DMT (ID 0Eh)					VESA DMT (ID 0Eh)				
			75 Hz	VESA CVT					VESA CVT				
			85 Hz	VESA CVT					VESA CVT				
<b>DMT 1024x768 (XGA)</b>	1024x768	4:3	50 Hz	VESA CVT	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Single link	Supported	VESA CVT	RGBs (RGB with a TTL composite sync) RGsB (RGB with sync on green) RGB HV (RGB with separate TTL syncs)	No standard compatible for these plugs		
			60 Hz	VESA DMT (ID 10h)					VESA DMT (ID 10h)				
			75 Hz	VESA DMT (ID 12h)					VESA DMT (ID 12h)				
			85 Hz	VESA DMT (ID 13h)					VESA DMT (ID 13h)				
			120 Hz	VESA DMT (ID 14h)					VESA DMT (ID 14h)				
<b>Computer 1088x817</b>	1088x817	4:3	50 Hz	VESA CVT	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Single link	Supported	VESA CVT	RGBs (RGB with a TTL composite sync) RGsB (RGB with sync on green) RGB HV (RGB with separate TTL syncs)	No standard compatible for these plugs		
			60 Hz	VESA CVT					VESA CVT				
			75 Hz	VESA CVT					VESA CVT				
			85 Hz	VESA CVT					VESA CVT				
<b>DMT 1152x864</b>	1152x864	16:9	50 Hz	VESA CVT	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Single link	Supported	VESA CVT	RGBs (RGB with a TTL composite sync) RGsB (RGB with sync on green) RGB HV (RGB with separate TTL syncs)	No standard compatible for these plugs		
			60 Hz	VESA CVT					VESA CVT				
			75 Hz	VESA DMT (ID 15h)					VESA DMT (ID 15h)				
			85 Hz	VESA CVT					VESA CVT				
<b>DMT 1280x720 (720p)</b>	1280x720	16:9	50 Hz	VESA CVT	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Single link	Supported	VESA CVT	RGBs (RGB with a TTL composite sync) RGsB (RGB with sync on green) RGB HV (RGB with separate TTL syncs)	No standard compatible for these plugs		
			60 Hz	VESA DMT (ID 55h)					VESA DMT (ID 55h)				
			75 Hz	VESA CVT					VESA CVT				
			85 Hz	VESA CVT					VESA CVT				
			100 Hz	CEA-861 (VIC 41) SMPTE 296M					CEA-861 (VIC 41) SMPTE 296M				
			119.88 Hz / 120 Hz	CEA-861 (VIC 47) SMPTE 296M					CEA-861 (VIC 47) SMPTE 296M				
<b>DMT 1280x768 (WXGA)</b>	1280x768	15:9	50 Hz	VESA CVT	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Single link	Supported	VESA CVT	RGBs (RGB with a TTL composite sync) RGsB (RGB with sync on green) RGB HV (RGB with separate TTL syncs)	No standard compatible for these plugs		
			60 Hz	VESA DMT (ID 17h)					VESA DMT (ID 17h)				
			75 Hz	VESA DMT (ID 18h)					VESA DMT (ID 18h)				
			85 Hz	VESA DMT (ID 19h)					VESA DMT (ID 19h)				
			120 Hz	VESA DMT (ID 1Ah)					VESA DMT (ID 1Ah)				

Format	Frame size	Aspect ratio	Rate	Digital					Analog		Broadcast		
				Timings	Colorimetry	HDMI	DVI-D	DisplayPort	HD15		SDI/OPTICAL		
						Support status	Link type	Support status	Timings	Colorimetry	Timings	Transport	Colorimetry
<b>DMT 1280x800 (WXGA2)</b>	1280x800	16:9	50 Hz	VESA CVT	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Single link	Supported	VESA CVT	RGBs (RGB with a TTL composite sync) RGBs (RGB with sync on green) RGB HV (RGB with separate TTL syncs)	No standard compatible for these plugs		
			60 Hz	VESA DMT (ID 1Ch)					VESA DMT (ID 1Ch)				
			75 Hz	VESA DMT (ID 1Dh)					VESA DMT (ID 1Dh)				
			85 Hz	VESA DMT (ID 1Eh)					VESA DMT (ID 1Eh)				
			120 Hz	VESA DMT (ID 1Fh)					VESA DMT (ID 1Fh)				
<b>DMT 1280x960</b>	1280x960	4:3	50 Hz	VESA CVT	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Single link	Supported	VESA CVT	RGBs (RGB with a TTL composite sync) RGBs (RGB with sync on green) RGB HV (RGB with separate TTL syncs)	No standard compatible for these plugs		
			60 Hz	VESA DMT (ID 20h)					VESA DMT (ID 20h)				
			75 Hz	VESA CVT					VESA CVT				
			85 Hz	VESA DMT (ID 21h)					VESA DMT (ID 21h)				
			120 Hz	VESA DMT (ID 22h)					VESA DMT (ID 22h)				
<b>DMT 1280x1024 (SXGA)</b>	1280x1024	5:4	50 Hz	VESA CVT	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Single link	Supported	VESA CVT	RGBs (RGB with a TTL composite sync) RGBs (RGB with sync on green) RGB HV (RGB with separate TTL syncs)	No standard compatible for these plugs		
			60 Hz	VESA DMT (ID 23h)					VESA DMT (ID 23h)				
			75 Hz	VESA DMT (ID 24h)					VESA DMT (ID 24h)				
			85 Hz	VESA DMT (ID 25h)					VESA DMT (ID 25h)				
			120 Hz	VESA DMT (ID 26h)					VESA DMT (ID 26h)				
<b>DMT 1360x768</b>	1360x768	16:9	50 Hz	VESA CVT	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Single link	Supported	VESA CVT	RGBs (RGB with a TTL composite sync) RGBs (RGB with sync on green) RGB HV (RGB with separate TTL syncs)	No standard compatible for these plugs		
			60 Hz	VESA DMT (ID 27h)					VESA DMT (ID 27h)				
			75 Hz	VESA CVT					VESA CVT				
			85 Hz	VESA CVT					VESA CVT				
			120 Hz	VESA DMT (ID 28h)					VESA DMT (ID 28h)				
<b>DILA 1360x1024</b>	1360x1024	4:3	50 Hz	VESA GTF	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Single link	Supported	VESA GTF	RGBs (RGB with a TTL composite sync) RGBs (RGB with sync on green) RGB HV (RGB with separate TTL syncs)	No standard compatible for these plugs		
			60 Hz	VESA GTF					VESA GTF				
			72 Hz	VESA GTF					VESA GTF				
			75 Hz	VESA GTF					VESA GTF				
<b>DMT 1366x768 (WXGA)</b>	1366x768	16:9	50 Hz	No official standard : Custom based on 60 Hz	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Single link	Supported	No official standard : Custom based on 60 Hz	RGBs (RGB with a TTL composite sync) RGBs (RGB with sync on green) RGB HV (RGB with separate TTL syncs)	No standard compatible for these plugs		
			60 Hz	VESA DMT (ID 51h)					VESA DMT (ID 51h)				

Format	Frame size	Aspect ratio	Rate	Digital					Analog		Broadcast		
				Timings	Colorimetry	HDMI	DVI-D	DisplayPort	HD15		SDI/OPTICAL		
						Support status	Link type	Support status	Timings	Colorimetry	Timings	Transport	Colorimetry
1366x800 (WXGA)	1366x800	Not standard	50 Hz	VESA GTF	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Single link	Supported	VESA GTF	RGBs (RGB with a TTL composite sync) RGBs (RGB with sync on green) RGB HV (RGB with separate TTL syncs)	No standard compatible for these plugs		
			60 Hz	VESA GTF					VESA GTF				
			72 Hz	VESA GTF					VESA GTF				
			75 Hz	VESA GTF					VESA GTF				
DMT 1400x1050 (SXGA)	1400x1050	4:3	50 Hz	VESA CVT	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Single link	Supported	VESA CVT	RGBs (RGB with a TTL composite sync) RGBs (RGB with sync on green) RGB HV (RGB with separate TTL syncs)	No standard compatible for these plugs		
			60 Hz	VESA DMT (ID 2Ah)					VESA DMT (ID 2Ah)				
			75 Hz	VESA DMT (ID 2Bh)					VESA DMT (ID 2Bh)				
			85 Hz	VESA DMT (ID 2Ch)					VESA DMT (ID 2Ch)				
			120 Hz	VESA DMT (ID 2Dh)			VESA DMT (ID 2Ch)						
						Dual link		Pixel freq. higher than 205 Mpixels/s					
DMT 1440x900 (900p)	1440x900	16:10	50 Hz	VESA CVT	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Single link	Supported	VESA CVT	RGBs (RGB with a TTL composite sync) RGBs (RGB with sync on green) RGB HV (RGB with separate TTL syncs)	No standard compatible for these plugs		
			60 Hz	VESA DMT (ID 2Fh)					VESA DMT (ID 2Fh)				
			75 Hz	VESA DMT (ID 30h)					VESA DMT (ID 30h)				
			85 Hz	VESA DMT (ID 31h)					VESA DMT (ID 31h)				
			120 Hz	VESA DMT (ID 32h)			VESA DMT (ID 32h)						
						Dual link							
DMT 1440x1080	1440x1080	4:3	50 Hz	VESA CVT	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Single link	Supported	VESA CVT	RGBs (RGB with a TTL composite sync) RGBs (RGB with sync on green) RGB HV (RGB with separate TTL syncs)	No standard compatible for these plugs		
			60 Hz	VESA CVT					VESA CVT				
DMT 1600x900	1600x900	16:9	50 Hz	VESA CVT	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Single link	Supported	VESA CVT	RGBs (RGB with a TTL composite sync) RGBs (RGB with sync on green) RGB HV (RGB with separate TTL syncs)	No standard compatible for these plugs		
			60 Hz	VESA DMT (ID 53h)					VESA DMT (ID 53h)				
			75 Hz	VESA CVT					VESA CVT				
DMT 1600x1200 (UXGA)	1600x1200	4:3	50 Hz	VESA CVT	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Single link	Supported	VESA CVT	RGBs (RGB with a TTL composite sync) RGBs (RGB with sync on green) RGB HV (RGB with separate TTL syncs)	No standard compatible for these plugs		
			60 Hz	VESA DMT (ID 33h)					VESA DMT (ID 33h)				
			75 Hz	VESA DMT (ID 36h)					VESA DMT (ID 36h)				
			85 Hz	VESA DMT (ID 37h)					VESA DMT (ID 36h)				
			120 Hz	VESA DMT (ID 38h)			VESA DMT (ID 36h)						
						Dual link		Pixel freq. higher than 205 Mpixels/s					

Format	Frame size	Aspect ratio	Rate	Digital					Analog		Broadcast				
				Timings	Colorimetry	HDMI	DVI-D	DisplayPort	HD15		SDI/OPTICAL				
						Support status	Link type	Support status	Timings	Colorimetry	Timings	Transport	Colorimetry		
DMT 1680x1050 (WSXGA+)	1680x1050	16:10	50 Hz	VESA CVT	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Single link	Supported	VESA CVT	RGBs (RGB with a TTL composite sync) RGBs (RGB with sync on green) RGB HV (RGB with separate TTL syncs)	No standard compatible for these plugs				
			60 Hz	VESA DMT (ID 3Ah)					VESA DMT (ID 3Ah)						
			75 Hz	VESA DMT (ID 3Bh)					VESA DMT (ID 3Bh)						
			85 Hz	VESA DMT (ID 3Ch)											
			120 Hz	VESA DMT (ID 3Dh)					Pixel freq. higher than 205 Mpixels/s						
DMT 1792x1344	1792x1344	4:3	50 Hz	VESA CVT	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Dual link		VESA CVT	RGBs (RGB with a TTL composite sync) RGBs (RGB with sync on green) RGB HV (RGB with separate TTL syncs)	No standard compatible for these plugs				
			60 Hz	VESA DMT (ID 3Eh)					VESA DMT (ID 3Eh)						
			75 Hz	VESA DMT (ID 3Fh)											
			120 Hz	VESA DMT (ID 40h)					Supported (Option board 4K60 only)						Pixel freq. higher than 330 Mpixels/s
DMT 1856x1392	1856x1392	4:3	50 Hz	VESA CVT	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Dual link	Supported	VESA CVT	RGBs (RGB with a TTL composite sync) RGBs (RGB with sync on green) RGB HV (RGB with separate TTL syncs)	No standard compatible for these plugs				
			60 Hz	VESA DMT (ID 41h)											
			75 Hz	VESA DMT (ID 42h)											
			120 Hz	VESA DMT (ID 43h)					Supported (Option board 4K60 only)						Pixel freq. higher than 330 Mpixels/s
DMT 1920x1080 (1080p)	1920x1080	16:9	47.95 Hz / 48 Hz	No official standard : Custom based on 24 Hz (SMPTE 274M)	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.709)	Supported	Single link	Supported	No official standard : Custom based on 24 Hz (SMPTE 274M)	YUV (YPbPr ITU-R BT.709)	No standard compatible for these plugs				
			50 Hz	VESA CVT						VESA CVT					RGBs (RGB with a TTL composite sync) RGBs (RGB with sync on green) RGB HV (RGB with separate TTL syncs)
			60 Hz	VESA DMT (ID 52h)					RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	VESA DMT (ID 52h)					
			100 Hz	CEA-861 (VIC 64) SMPTE 274M					RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.709)						Pixel freq. higher than 205 Mpixels/s
			119.88 Hz / 120 Hz	CEA-861 (VIC 63) SMPTE 274M											



Format	Frame size	Aspect ratio	Rate	Digital					Analog		Broadcast		
				Timings	Colorimetry	HDMI	DVI-D	DisplayPort	HD15		SDI/OPTICAL		
						Support status	Link type	Support status	Timings	Colorimetry	Timings	Transport	Colorimetry
<b>DMT 1920x1200 (WUXGA)</b>	1920x1200	16:10	50 Hz	VESA CVT	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Single link	Supported	VESA CVT	RGBs (RGB with a TTL composite sync) RGBs (RGB with sync on green) RGB HV (RGB with separate TTL syncs)	No standard compatible for these plugs		
			60 Hz	VESA DMT (ID 44h)					VESA DMT (ID 44h)				
			75 Hz	VESA DMT (ID 46h)					Pixel freq. higher than 205 Mpixels/s				
			85 Hz	VESA DMT (ID 47h)									
			120 Hz	VESA DMT (ID 48h)								Supported (Option board 4K60 only)	
<b>DMT 1920x1440</b>	1920x1440	4:3	50 Hz	VESA CVT	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Dual link	Supported	VESA CVT	RGBs (RGB with a TTL composite sync) RGBs (RGB with sync on green) RGB HV (RGB with separate TTL syncs)	No standard compatible for these plugs		
			60 Hz	VESA DMT (ID 49h)					Pixel freq. higher than 205 Mpixels/s				
			75 Hz	VESA DMT (ID 4Ah)									
			120 Hz	VESA DMT (ID 4Bh)								Supported (Option board 4K60 only)	
<b>1920x2160 (UHDTV Side/Side)</b>	1920x2160	Half 16:9	23.97 Hz / 24 Hz	No official standard : Custom based on CEA-861 UHDTV 2160p format	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.709)	Supported	Single link	Supported	No official standard : Custom based on CEA-861 UHDTV 2160p format	YUV (YPbPr ITU-R BT.709)	No standard compatible for these plugs		
			25 Hz						Pixel freq. higher than 205 Mpixels/s				
			29.97 Hz / 30 Hz										
			47.95 Hz / 48 Hz										
			50 Hz										
			59.94 Hz / 60 Hz										
<b>2048x1080 (2K)</b>	2048x1080	Not standard	50 Hz	VESA CVT	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Single link	Supported	VESA CVT	RGBs (RGB with a TTL composite sync) RGBs (RGB with sync on green) RGB HV (RGB with separate TTL syncs)	No standard compatible for these plugs		
			60 Hz	No official standard : Adaptation of SMPTE ST2048-2					No official standard : Custom based on SMPTE ST2048-2				
<b>DMT 2048x1152</b>	2048x1152	16:9	50 Hz	VESA CVT	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Single link	Supported	VESA CVT	RGBs (RGB with a TTL composite sync) RGBs (RGB with sync on green) RGB HV (RGB with separate TTL syncs)	No standard compatible for these plugs		
			60 Hz	VESA DMT (ID 54h)					VESA DMT (ID 54h)				



Format	Frame size	Aspect ratio	Rate	Digital					Analog		Broadcast		
				Timings	Colorimetry	HDMI	DVI-D	DisplayPort	HD15		SDI/OPTICAL		
						Support status	Link type	Support status	Timings	Colorimetry	Timings	Transport	Colorimetry
DILA 2048x1536 (QXGA)	2048x1536	4:3	50 Hz	VESA GTF	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Dual link	Supported	Pixel freq. higher than 205 Mpixels/s		No standard compatible for these plugs		
			60 Hz	VESA GTF									
2048x2160 (4K Side/Side)	2048x2160	Not standard	23.97 Hz / 24 Hz	No official standard : Custom based on CEA-861 4K format	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.709)	Supported	Single link	Supported	No official standard : Custom based on CEA-861 4K format	YUV (YPbPr ITU-R BT.709)	No standard compatible for these plugs		
			25 Hz										
			29.97 Hz / 30 Hz										
			47.95 Hz / 48 Hz										
			50 Hz										
59.94 Hz / 60 Hz	Pixel freq. higher than 205 Mpixels/s												
CEA-861 2560x1080	2560x1080	64:27	23.97 Hz / 24 Hz	CEA-861 (VIC 86)	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Single link	Supported	CEA-861 (VIC 86)	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	No standard compatible for these plugs		
			25 Hz	CEA-861 (VIC 87)					CEA-861 (VIC 87)				
			29.97 Hz / 30 Hz	CEA-861 (VIC 88)					CEA-861 (VIC 88)				
			50 Hz	CEA-861 (VIC 89)					CEA-861 (VIC 89)				
			59.94 Hz / 60 Hz	CEA-861 (VIC 90)					CEA-861 (VIC 90)				
			100 Hz	CEA-861 (VIC 91)					CEA-861 (VIC 91)				
119.88 Hz / 120 Hz	CEA-861 (VIC 92)	Supported (Option board 4K60 only)	Pixel freq. higher than 330 Mpixels/s	Supported (Option board 4K60 only)	Pixel freq. higher than 205 Mpixels/s								
CVT 2560x1440 (QHD)	2560x1440	16:9	50 Hz	VESA CVT	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Dual link	Supported	Pixel freq. higher than 205 Mpixels/s		No standard compatible for these plugs		
			60 Hz	VESA CVT Reduced Blanking									
DMT 2560x1600 (WQXGA)	2560x1600	16:10	50 Hz	VESA CVT	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported	Dual link	Supported	Pixel freq. higher than 205 Mpixels/s		No standard compatible for these plugs		
			60 Hz	VESA DMT (ID 4Ch)									
			75 Hz	VESA DMT (ID 4Eh)									
			85 Hz	VESA DMT (ID 4Fh)									
120 Hz	VESA DMT (ID 50h)	Supported (Option board 4K60 only)	Pixel freq. higher than 330 Mpixels/s	Supported (Option board 4K60 only)	Pixel freq. higher than 205 Mpixels/s								
CVT 2560x2048 (QSXGA)	2560x2048	4:3	50 Hz	VESA CVT	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported (Option board 4K60 only)	Pixel freq. higher than 330 Mpixels/s	Supported (Option board 4K60 only)	Pixel freq. higher than 205 Mpixels/s		No standard compatible for these plugs		
			60 Hz	VESA CVT Reduced Blanking									
CVT 3440x1440	3440x1440	21:9	50 Hz	VESA CVT	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)	Supported (Option board 4K60 only)	Pixel freq. higher than 330 Mpixels/s	Supported (Option board 4K60 only)	Pixel freq. higher than 205 Mpixels/s		No standard compatible for these plugs		
			60 Hz	VESA CVT Reduced Blanking			Dual link						Supported

Format	Frame size	Aspect ratio	Rate	Digital					Analog		Broadcast		
				Timings	Colorimetry	HDMI	DVI-D	DisplayPort	HD15		SDI/OPTICAL		
						Support status	Link type	Support status	Timings	Colorimetry	Timings	Transport	Colorimetry
<b>3840x1080 (UHDTV Top/Bottom)</b>	3840x1080	Half 16:9	23.97 Hz / 24 Hz	No official standard : Custom based on CEA-861 UHDTV 2160p format	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.709)	Supported	Single link	Supported	No official standard : Custom based on CEA-861 UHDTV 2160p format	YUV (YPbPr ITU-R BT.709)	No standard compatible for these plugs		
			25 Hz										
			29.97 Hz / 30 Hz										
			47.95 Hz / 48 Hz										
			50 Hz										
59.94 Hz / 60 Hz	Dual link	Pixel freq. higher than 205 Mpixels/s											
<b>4096x1080 (4K Top/Bottom)</b>	4096x1080	Not standard	23.97 Hz / 24 Hz	No official standard : Custom based on CEA-861 4K format	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.709)	Supported	Single link	Supported	No official standard : Custom based on CEA-861 4K format	YUV (YPbPr ITU-R BT.709)	No standard compatible for these plugs		
			25 Hz										
			29.97 Hz / 30 Hz										
			47.95 Hz / 48 Hz										
			50 Hz										
59.94 Hz / 60 Hz	Dual link	Pixel freq. higher than 205 Mpixels/s											