

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 (TTL composite sync) RGsB (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 (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 (TTL composite sync) RGsB (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 (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 (TTL composite sync) RGsB (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 (TTL composite sync) RGsB (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 (ST292)	YCbCr 4:2:2 10 bits (ST292, 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 (ST292)	YCbCr 4:2:2 10 bits (ST292, BT.709)

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 (ST292)	YCbCr 4:2:2 10 bits (ST292, BT.709)
			59.94 Hz / 60 Hz	CEA-861 (VIC 5) SMPTE 274M									
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 (ST292)	YCbCr 4:2:2 10 bits (ST292, BT.709)
			25 Hz	CEA-861 (VIC 33) SMPTE 274M								1 link at 1.5Gb/s (ST292)	YCbCr 4:2:2 10 bits (ST292, BT.709)
			29.97 Hz / 30 Hz	CEA-861 (VIC 34) SMPTE 274M									
			50 Hz	CEA-861 (VIC 31) SMPTE 274M									
			59.94 Hz / 60 Hz	CEA-861 (VIC 16) SMPTE 274M							1 link at 3Gb/s Level A (ST425-1) 1 link at 3Gb/s Level B (ST425-1)	YCbCr 4:2:2 10 bits (ST425-1, BT.709)	
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 (ST425-1)	YCbCr 4:2:2 10 bits (ST425-1, 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 (ST292)	YCbCr 4:2:2 10 bits (ST292, BT.709)
			25 Hz										
			29.97 Hz / 30 Hz										
			47.95 Hz / 48 Hz										
			50 Hz										
			59.94 Hz / 60 Hz								1 link at 3Gb/s Level A (ST425-1) 1 link at 3Gb/s Level B (ST425-1)	YCbCr 4:2:2 10 bits (ST425-1, BT.709)	

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, ITU-R BT.2020)	Supported	Dual link	Supported	Pixel freq. higher than 205 Mpixels/s	SMPTE ST2036-1	1 link at 6Gb/s (ST2081-1)	YCbCr 4:2:2 10 bits (ST2081-10, BT.709, BT.2020)
			25 Hz	CEA-861 (VIC 94) SMPTE 274M							1 link at 12Gb/s (ST2082-1)	YCbCr 4:2:2 10 bits (ST2082-10, ST425-5, BT.709, BT.2020)
			29.97 Hz / 30 Hz	CEA-861 (VIC 95) SMPTE 274M							4 links at 3Gb/s Level A (ST425-5)	4 links at 3Gb/s Level B (ST425-5)
			50 Hz	CEA-861 (VIC 96) SMPTE 274M							4 quadrants at 3Gb/s Level A (No standard)	4 quadrants at 3Gb/s Level B (No Standard)
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, ITU-R BT.2020)	Supported	Dual link	Supported	Pixel freq. higher than 205 Mpixels/s	SMPTE ST2048-2	1 link at 6Gb/s (ST2081-1)	YCbCr 4:2:2 10 bits (ST2081-10, BT.709, BT.2020)
			25 Hz	CEA-861 (VIC 99) SMPTE 274M							1 link at 12Gb/s (ST2082-1)	YCbCr 4:2:2 10 bits (ST2082-10, ST425-5, BT.709, BT.2020)
			29.97 Hz / 30 Hz	CEA-861 (VIC 100) SMPTE 274M							4 links at 3Gb/s Level A (ST425-5)	4 links at 3Gb/s Level B (ST425-5)
			47.95 Hz / 48 Hz	No official standard : Adaptation of SMPTE ST2048-2							4 quadrants at 3Gb/s Level A (No standard)	4 quadrants at 3Gb/s Level B (No Standard)
			50 Hz	CEA-861 (VIC 101) SMPTE 274M							4 quadrants at 3Gb/s Level A (No standard)	4 quadrants at 3Gb/s Level B (No Standard)
			59.94 Hz / 60 Hz	CEA-861 (VIC 102) SMPTE 274M							4 quadrants at 3Gb/s Level A (No standard)	4 quadrants at 3Gb/s Level B (No Standard)

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 (TTL composite sync) RGsB (Sync on green) RGB HV (Separate TTL syncs)	No standard compatible for these plugs
			60 Hz	VESA DMT (ID 04h)						VESA DMT (ID 04h)		
			72 Hz	VESA DMT (ID 05h)						VESA DMT (ID 05h)		
			75 Hz	VESA DMT (ID 06h)						VESA DMT (ID 06h)		
			85Hz	VESA DMT (ID 07h)						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 (TTL composite sync) RGsB (Sync on green) RGB HV (Separate TTL syncs)	No standard compatible for these plugs	
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 (TTL composite sync) RGsB (Sync on green) RGB HV (Separate TTL syncs)	No standard compatible for these plugs	
			60 Hz	VESA DMT (ID 09h)					VESA DMT (ID 09h)			
			72 Hz	VESA DMT (ID 0Ah)					VESA DMT (ID 0Ah)			
			75 Hz	VESA DMT (ID 0Bh)					VESA DMT (ID 0Bh)			
			85 Hz	VESA DMT (ID 0Ch)					VESA DMT (ID 0Ch)			
			120 Hz	VESA DMT (ID 0Dh)					VESA DMT (ID 0Dh)			
DMT 848x480 (WVGA)	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 (TTL composite sync) RGsB (Sync on green) RGB HV (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			
DMT 1024x768 (XGA)	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 (TTL composite sync) RGsB (Sync on green) RGB HV (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)			
Computer 1088x817	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 (TTL composite sync) RGsB (Sync on green) RGB HV (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			

DMT 1152x864	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 (TTL composite sync) RGBs (Sync on green) RGB HV (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		
DMT 1280x720 (720p)	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 (TTL composite sync) RGBs (Sync on green) RGB HV (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						
DMT 1280x768 (WXGA)	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 (TTL composite sync) RGBs (Sync on green) RGB HV (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)		
DMT 1280x800 (WXGA2)	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 (TTL composite sync) RGBs (Sync on green) RGB HV (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)		
DMT 1280x960	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 (TTL composite sync) RGBs (Sync on green) RGB HV (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)				
							Dual link				

DMT 1280x1024 (SXGA)	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 (TTL composite sync) RGBsB (Sync on green) RGB HV (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)		Dual link		
DMT 1360x768	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 (TTL composite sync) RGBsB (Sync on green) RGB HV (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)		
DILA 1360x1024	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 (TTL composite sync) RGBsB (Sync on green) RGB HV (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 1366x768 (WXGA)	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 (TTL composite sync) RGBsB (Sync on green) RGB HV (Separate TTL syncs)	No standard compatible for these plugs
			60 Hz	VESA DMT (ID 51h)					VESA DMT (ID 51h)		
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 (TTL composite sync) RGBsB (Sync on green) RGB HV (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 (SXGAP)	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 (TTL composite sync) RGBsB (Sync on green) RGB HV (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		
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 (TTL composite sync) RGBsB (Sync on green) RGB HV (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)		

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 (TTL composite sync) RGBs (Sync on green) RGB HV (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 (TTL composite sync) RGBs (Sync on green) RGB HV (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 (TTL composite sync) RGBs (Sync on green) RGB HV (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)			Dual link		VESA DMT (ID 36h)			
			85 Hz	VESA DMT (ID 37h)					Pixel freq. higher than 205 Mpixels/s			
			120 Hz	VESA DMT (ID 38h)								
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 (TTL composite sync) RGBs (Sync on green) RGB HV (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)			Dual link		VESA DMT (ID 3Bh)			
			85 Hz	VESA DMT (ID 3Ch)					Pixel freq. higher than 205 Mpixels/s			
			120 Hz	VESA DMT (ID 3Dh)								
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	Supported	VESA CVT	RGBs (TTL composite sync) RGBs (Sync on green) RGB HV (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)		Supported (Option board 4K60 only)	Pixel freq. higher than 330 Mpixels/s		Supported (Option board 4K60 only)			Pixel freq. higher than 205 Mpixels/s
			120 Hz	VESA DMT (ID 40h)								
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 (TTL composite sync) RGBs (Sync on green) RGB HV (Separate TTL syncs)	No standard compatible for these plugs	
			60 Hz	VESA DMT (ID 41h)					VESA DMT (ID 41h)			
			75 Hz	VESA DMT (ID 42h)		Supported (Option board 4K60 only)	Pixel freq. higher than 330 Mpixels/s		Supported (Option board 4K60 only)			Pixel freq. higher than 205 Mpixels/s
			120 Hz	VESA DMT (ID 43h)								

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	RGB Full range (0 to 255) RGB Limited range (16 to 235) YCbCr (ITU-R BT.601)				VESA CVT	RGBs (TTL composite sync)		
			60 Hz	VESA DMT (ID 52h)					VESA DMT (ID 52h)	RGsB (Sync on green) RGB HV (Separate TTL syncs)		
			100 Hz	CEA-861 (VIC 64) SMPTE 274M					Pixel freq. higher than 205 Mpixels/s			
			119.88 Hz / 120 Hz	CEA-861 (VIC 63) SMPTE 274M								
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 (TTL composite sync)					
60 Hz	VESA DMT (ID 44h)					VESA DMT (ID 44h)	RGsB (Sync on green) RGB HV (Separate TTL syncs)					
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)	Dual link				
DMT 1920x1440	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 (TTL composite sync) RGsB (Sync on green) RGB HV (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)		Pixel freq. higher than 330 Mpixels/s
1920x2160 (UHDTV Side/Side)	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												
2048x1080 (2K)	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 (TTL composite sync) RGsB (Sync on green) RGB HV (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			

DMT 2048x1152	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 (TTL composite sync) RGsB (Sync on green) RGB HV (Separate TTL syncs)	No standard compatible for these plugs
			60 Hz	VESA DMT (ID 54h)					VESA DMT (ID 54h)		
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				Pixel freq. higher than 205 Mpixels/s				
			47.95 Hz / 48 Hz								
			50 Hz								
			59.94 Hz / 60 Hz								
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)			CEA-861 (VIC 92)				
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)							
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			
3840x1080 (UHDTV Top/Bottom)	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	Pixel freq. higher than 205 Mpixels/s										
4096x1080 (4K Top/Bottom)	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						Pixel freq. higher than 205 Mpixels/s		
59.94 Hz / 60 Hz											