










ASTRODESIGN Video Signa Generator Comparison Table

June, 2023

									
Application	R&D	R&D	QC, Production	R&D, QC, Production	QC, Production	R&D, QC, Production	R&D	R&D, QC, Production	QC, Production
Slot type	4 slots	4 slots	2 slots				3 slots	3 slots	
HDMI Ver.	2.1 (VM-1876B-MD)	2.0 (VM-1876-M8)	2.0 (VM-1876-M8)	2.1	2.0		1.4	1.4	1.4
Max. Resolution (HDMI)	8K/60p (YCbCr420) FRL	4K/60p (YCbCr444)	4K/60p (YCbCr444)	8K/60p (YCbCr420) FRL	4K/60p (YCbCr444)		4K/60p (YCbCr420)	4K/60p (YCbCr420)	2K
SDI	12G-SDI (VM-1876-MB) Up to 4K60p	3G-SDI (VM-1876-M5)	3G-SDI (VM-1876-M5)			12G-SDI 8K60p(2SI) by 4CH 4K120p(2SI) by 2CH	3G-SDI (VM-1821)	3G-SDI (VM-1821)	
DisplayPort	Ver1.2a (VM-1876A-M1)	Ver1.2a (VM-1876A-M1)	Ver1.2a (VM-1876A-M1)				Ver1.1a (VM-1820A, 1826)	Ver1.1a (VM-1820A, 1826)	Ver1.1a
V-by-One® HS	VM-1876-M2 (16-lane/board) (4K120p/board)	VM-1876-M2 (16-lane/board) (4K120p/board)	VM-1876-M2 (16-lane/board) (4K120p/board)				VM-1825 (8-lane/board) (4K120p by 2 boards)	VM-1825 (8-lane/board) (4K120p by 2 boards)	
8K/120p	V-by-One® HS (64-lane) by 4 units synchronize.	V-by-One® HS (64-lane) by 4 units synchronize.				12G-SDI (8CH) by 2 units synchronize (2SI)			
DVI	VM-1876-M9	VM-1876-M9	VM-1876-M9				VM-1814, 1824, 1824-A	VM-1814, 1824, 1824-A	
iTMDS	VM-1876-M9	VM-1876-M9	VM-1876-M9				VM-1824, 1824-A	VM-1824, 1824-A	
LVDS	VM-1876-M9 + IA-1540 converter	VM-1876-M9 + IA-1540 converter	VM-1876-M9 + IA-1540 converter				VM-1815	VM-1815	
Analog	VM-1876-MA	VM-1876-MA	VM-1876-MA		✓		VM-1811, 1812	VM-1811, 1812	✓
PC Control (Command)	✓	✓	✓	✓	✓	✓	✓	✓	✓
PC Control (SP-8870)	✓	✓	✓		✓		✓	✓	✓
VT-8500-0006 HBR Audio	Option (HDMI)	Option (HDMI)	Option (HDMI)				Option (HDMI)	Option (HDMI)	
VT-8500-0021 MPEG-4 AAC Audio	Option (HDMI)	Option (HDMI)	Option (HDMI)						
SP-8871 Image conversion tool	✓	✓	✓		✓		✓	✓	
VT-7009 HDR libraries	✓	✓	✓	✓					
VT-7010 HDR libraries 8K Monoscope	✓	✓	✓	✓					
VT-7007 ITE's 2K,4K,8K image libraries	✓	✓	✓	✓					
VT-7012 Dolby Vision test pattern	✓	✓	✓						
VT-7013 HDR10+ libraries	✓	✓	✓						