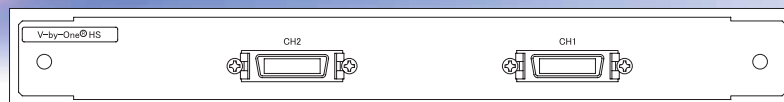


V-by-One[®] HS Output Unit Option

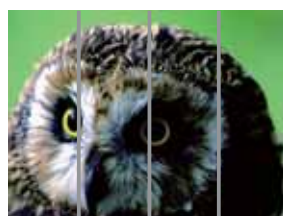
VM-1825



V-by-One[®] HS is the latest digital interface which has been drawing keen attention of major FPD panel manufacturers who develop 4K×2K or Full HD 240Hz high-end panel in the world. By installing the VM-1825 V-by-One[®] HS output module into the VG-870A/871A hybrid video signal generator, it will be able to generate maximum 8 Link with 10-bit digital signal which is capable of testing such ultra high resolution with higher refresh rate panels.

Features

- Optional output interface unit of VG-870A/871A
- 2 channel MDR connectors(Single : 4-Link / Dual : 8-Link)
- 8 to 10-bit accuracy
- Output one image by dividing to 4 sections at 4K×2K mode
- Capable of testing 4K×2K/60Hz or Full HD 240Hz panel which requires 600MHz ultra high clock frequency.
- By using two VM-1825 output modules, also supports maximum 4K×2K/120Hz or Full HD 480Hz panel testing.



Specifications

Item	Parameter			
Connector	MDR 26-pin(3M) × 2 connectors (Single : 4-Link / Dual : 8-Link)			
Dot Clock	Normal MODE	8-10 bit	25 to 75MHz	(1 Link)
			75 to 150MHz	(2-Link)
			150 to *300MHz	(4-Link)
			*maximum 340MHz option	
	4K × 2K Full HD 240Hz	8-10 bit	297 to *600MHz	(8-Link) *maximum 680MHz option
Video Format	RGB, YCbCr 4:4:4			
Image Split at 4K × 2K Mode	Cross Split Mode(4 dots, 2 lines step), V direction Four Split Mode(8 dots, 1 line step)			
Limitation at 8-Link mode	Below Action pattern is not available ; Motion Blur, 0.5/0.25 dot scroll, Simple Motion Picture Drawing function, Sine-Wave Scroll, Window Pattern Effect(Flicker, etc.) , Level Effect, RAMP Scroll			

Remarks : V-by-One[®] HS is registered trademarks of THine Electronics, Inc.