

VG-870B/871B · VG-873/874

Programmable Video Signal Generator



Uncompressed 10-bit Moving Picture Function (VM-1819)

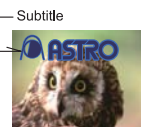
The sequential uncompressed pictures (2D or 3D) are output from all interfaces. This is useful for evaluating picture quality. Maximum 4 scenes are selectable from VT-7001 (2D, HD picture) video library as option.

Recording type	Uncompressed				
Color space	RGB / YPbPr				
Bit length	10-bit				
Resolution	1920×1080				
Color format	4:4:4 / 4:2:2				
Frame rate	60i	50i	24p	24PsF	
MAX play time	4:4:4	16sec	19sec	20sec	20sec
	4:2:2	24sec	29sec	30sec	30sec



Subtitle Scrolling

Subtitle character scrolling functions supported. Users own bitmap(256 colors) character of various languages with edge created by Photoshop or other software is scrolled by different speed and direction.

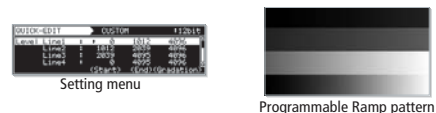


Sub-pixel patterns

Various types of sub-pixels test patterns enable users to test the flat panel performance more accurately.

Programmable Ramp patterns

Linear Ramp patterns can be set by the designated range of level. This is useful for testing the middle-range level of flat panels.



Options

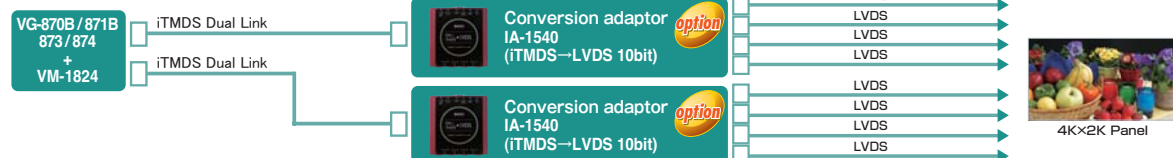
MPRT testing with APDC patterns

MPRT(Moving Picture Response Time) patterns developed by APDC (Advanced PDP Development Center Corporation) with 0.5 dot scrolling supported. About the auto measurement system, please ask ASTRODESIGN for more details.



DVI / iTMDS to LVDS conversion adaptor

LVDS (with IA-1540) MAX 12bit(LVDS×8ch)



Remote BOX		Optional Pattern Library		
RB-1870	RB-1871	VT-8001	VT-8500-0004	VT-8500-0007
"Full Key" type with Edit Functions (R&D application)	"Limited Key" type without Edit Functions (Production application)	8,10,12-bit Natural Pictures of "Skin tone chart" and "Yacht harbor" pictures Flesh Color Chart (Woman with Carnations) * Yacht Harbor * <small>*The copyright belongs to Association of Radio Industries and Businesses</small>	Chinese TV Test Patterns including China Monoscope.	TV Evaluation Patterns including Circular Zone Plate, 8-bit Natural Pictures like "Skin tone chart" and "Yacht harbor", etc.

Optional Functions					Conversion BOX		Software	
VT-8500-0006	VT-8500-0008				IA-1540	IA-1542	SP-8010	
HBR(High Bit Rate) / OB(One Bit) Audio Data	AAC / AC3(Dolby Digital) Audio Data	HBR / OB Audio Compliance Test Software License	Macrovision Copy Protection	Otsuka Electronics MPRT2000 support (with Trigger cable)	MPRT 0.25 / 0.125 dot scroll option	Converter which converts 4Kx2K iTMDS x 1ch to LVDS 10bit x 4ch	HEAC Adaptor	Image Format Converter which converts MAX 16-bit users TIFF format image to VBM (for VG) format image.

Specifications

Storage Media	ATA Compact Flash Card × 1 (MAX 1000 Programs)
External Interface	RS-232C, LAN, Remote
General Specifications	Voltage
	Operating Temperature Range
	Operating Humidity Range
	Dimensions
	AC100 to 120V, AC200 to 240V, 50/60Hz
	+5 to 40°C
	30 to 80% (no condensation)
	430(W) × 88(H) × 370(D)mm (excluding projected parts)

Dimensions, specifications etc. in this catalog may change without notice for improvement.

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VG870B/871B-873/874-1B3707E-2

VG-870B/871B VG-873/874

Programmable Video Signal Generator



VG-870B : 3 modules are selectable.
VG-873 : HDMI 4K×2K module pre-installed. 2 modules are selectable.



VG-871B : 3 modules are selectable.
VG-874 : HDMI 4K×2K module pre-installed. 2 modules are selectable.



- HDMI "4K×2K/30p" and "3D(Side-by-Side Full, etc.)" supported by VG-873/874
- 4K×2K/120p, 1080/240p timing supported by iTMDS, DisplayPort and V-by-One HS
- Various digital interfaces (DisplayPort, eDP, 4K×2K iTMDS, V-by-One HS, SDI)
- High Bit Rate / One-Bit Audio (optional)
- Uncompressed 10-bit moving picture playing function (optional)