

Functions

HDMI High-Bit-Rate audio and One-Bit audio (VT-8500-0006)



Option audio	
Dolby Digital Plus	DTS-HD Master Audio
Dolby TrueHD	DTS Express (DTS-HD LBR)
DTS Digital Surround	DSD (One Bit Audio)
DTS-HD High Resolution Audio	

Uncompressed 4Kx2K still picture library (VT-7004-A)

20 kinds of natural pictures of DCI (4096x2160) and QFHD (3860x2160) resolution with each 8, 10 and 12-bit.



Application software (Image Converter)

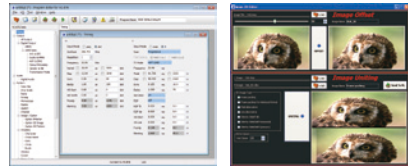
- Converts maximum 1024 frame pictures to VGD (VG-876 format) file which is for playing moving picture easily.
- Format conversion from BMP, JPEG, TIFF and different color depth (Eg; Converts from TIFF 16-bit to VGD 10-bit)



Accessory

Application software (SP-8870)

Timing and pattern edit, program execute, make user's own 3D data by bmp pictures, etc.



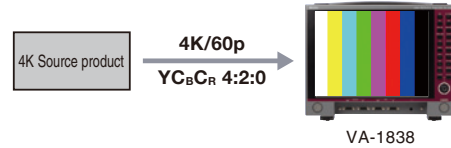
General specifications

Power voltage	AC100 to 240V, 50/60Hz
Power consumption	200W MAX
Dimensions	430(W)×177(H)×310(D)mm (excluding projected parts)
Weight	6.8kgs (main unit)
Operating temperature range	+5 to 40°C
Operating humidity range	20 to 80% (no condensation)

4K lineups

HDMI Protocol Analyzer VA-1838

- Video timing (Max. 4K/60p 4:2:0), Audio timing, InfoFrame display.
- CEC line and DDC line monitoring
- Generate function
- Repeater simulation and cable simulation as Through mode



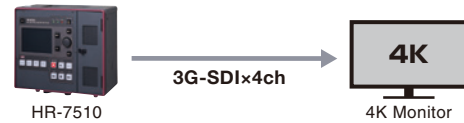
4K Interface Converter SD-7070

- Interface conversion: HDMI or SDI → 3G/HD-SDI/Dual Link SDI, HDMI or DisplayPort.
- Format conversion, Frame rate conversion
- HDMI 2.0 (Max. 4K/60p 4:2:0) input and output supported



4K SSD Recorder HR-7510

- Record and play uncompressed 4K moving picture contents.
- Preview screen
- Portable size

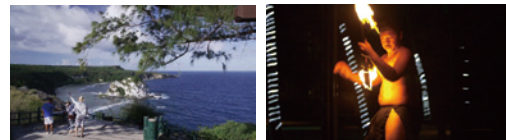


4K Uncompressed Video Contents VT-7005 (Total 4 scenes: -1, -2, -3, -4)



VT-7005 <Features>

- TIFF RGB 4:4:4 each *16-bit sequential file (*Only MSB 10-bit out of TIFF 16-bit)
- Less noise, clear image shot by Canon EOS C500 4K camera
- Suitable for testing color, brightness and graduation of display and quality check of video compression.



VT-7005-1 (Island Sunset) : About 3 min.33 sec. (12810 frames)
VT-7005-4 (Fire Dance) : About 3 min.38 sec. (13082 frames)

■ All the copyright of VT-7005 shall belong to ASTRODESIGN, Inc. and Frontdoor Production. License Agreement is required to use this option.

■ The terms HDMI and **HDMI** High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC.
■ V-by-One® HS Logo are trademarks of Thine Electronics. ■ Dimensions, specifications etc. in this catalog may change without notice for improvement.

ASTRODESIGN, Inc.

URL <http://www.astrodesign.co.jp>

● For more information, please contact us :

TOKYO Headquarters
TEL +81-(0)3-5734-6320 FAX +81-(0)3-5734-6104
1-5-2 Minami-yukigaya, Ota-ku, Tokyo, Japan 145-0066

USA OFFICE
TEL +1-408-435-7800 FAX +1-408-435-7900
780 Montague Expressway, Suite 302, San Jose CA 95131 USA
URL <http://www.astro-americas.com>

VG876-IB3803E-2000-1

VG-876

DIGITAL VIDEO SIGNAL GENERATOR



HDMI 2.0, DisplayPort 1.2a, V-by-One® HS, and 3G-SDI outputs selectable

8Kx4K/30p, 4Kx2K/120p, Full HD/240p signals are supported.

Maximum 4 modules of the slot-type interfaces

Valuable HDMI 2.0 test features, such as 6G, 4:2:0, HDCP 2.2, 3D, etc.

Simple operation to select predetermined internally stored timings and patterns.
Customize interface outputs for your testing needs!

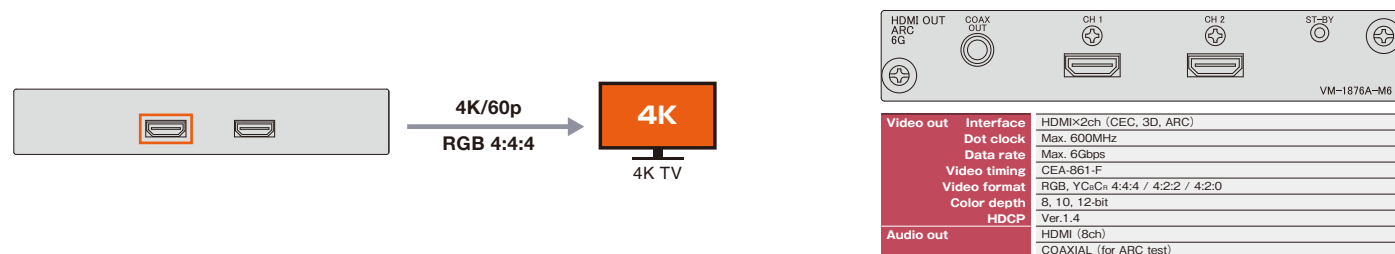


Interfaces

Maximum 4 interface modules selectable (Users can customize based on needs)

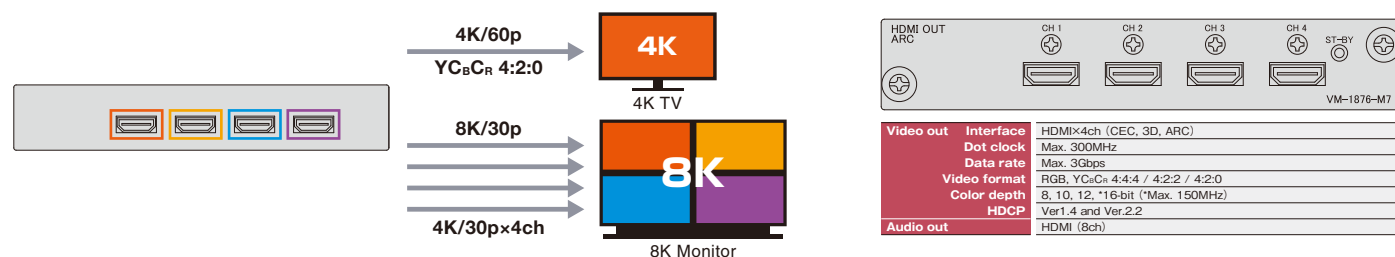
HDMI 6G Unit (VM-1876A-M6)

HDMI 2.0 based. Maximum dot clock 600MHz. 4K/60p RGB 4:4:4 transmission.



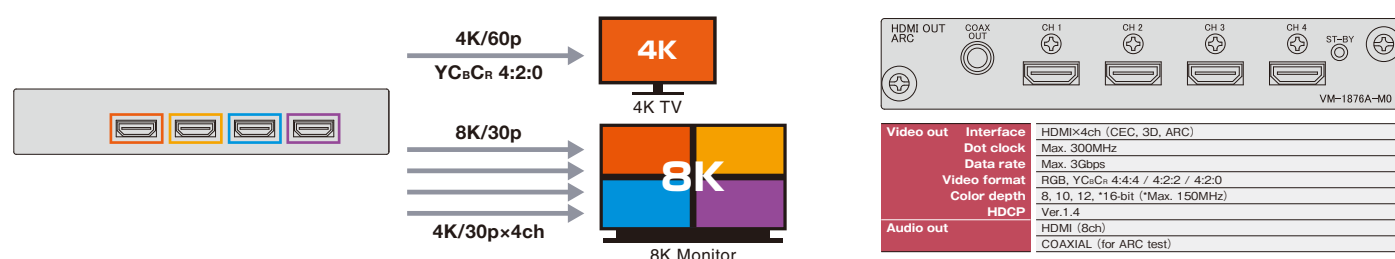
HDMI Unit (VM-1876-M7)

HDMI 2.0 based with HDCP 2.2. Maximum dot clock 300MHz. 4K/60p YCbCr 4:2:0 transmission.



HDMI Unit (VM-1876A-M0)

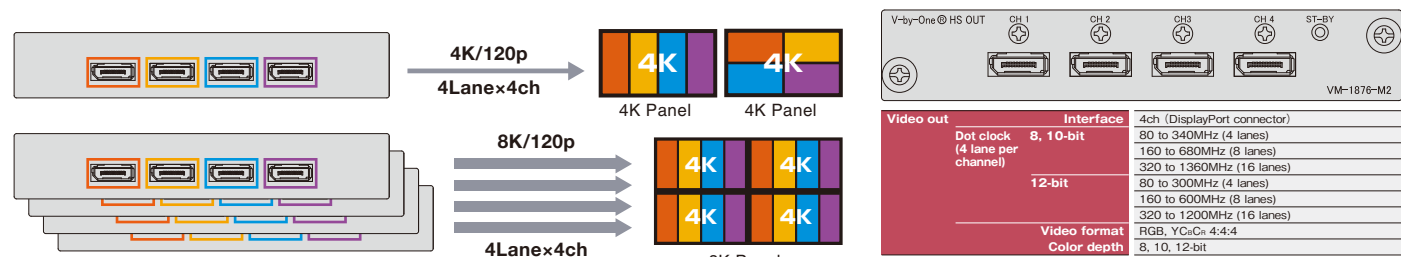
HDMI 2.0 based. Maximum dot clock 300MHz. 4K/60p YCbCr 4:2:0 transmission.



Interfaces

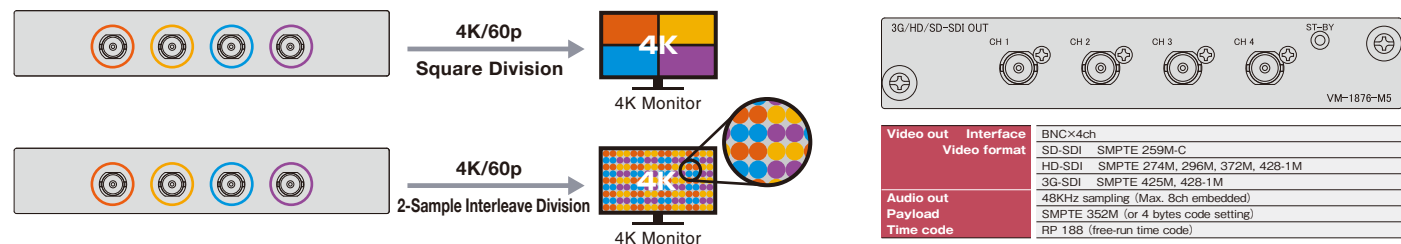
V-by-One® HS Unit (VM-1876-M2)

4K/120p and 8K/30p are transmitted by one unit. 8K/120p (4 pcs of 4K/120p) is transmitted by 4 slot units.



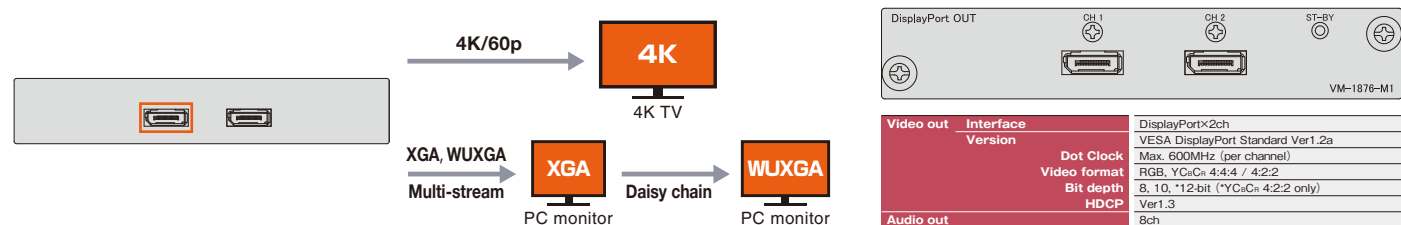
SDI Unit (VM-1876-M5)

3G-SDI, HD-SDI and SD-SDI supported. 4K is transmitted by square division or 2-sample interleave.



DisplayPort Unit (VM-1876-M1)

DisplayPort Ver1.2a based. 4K/60p is transmitted by single channel. By using Multi-stream function, 2 different timing formats are sent out.



Functions

8K

Split Mode enables to cover maximum 8K/30p resolution output



AAC/AC3

AAC/AC3 (Dolby Digital) audio supported as standard.

Compatible with VG-870 series

Operation and program data are compatible with VG-870 series, but more user friendly like loading Bitmap natural picture image on USB memory, new test patterns, etc.



*HDMI 2.0 functions

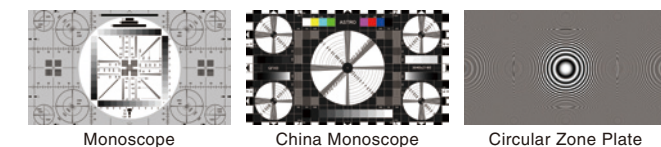
CEA-861-F timing format including 4K/50p, 60p and 21:9 aspect.

- YCbCr 4:2:0 with 4K
- 4K/6G Scrambling, Enable Write & Scrambling_Status Read
- 3D Dual View, Independent View and OSD Disparity (InfoFrame with 3D patterns)
- CEC2.0 Transmission
- BT-2020 colorimetry
- HDCP 2.2
- Test methods (MOI) of HDMI 2.0 CTS (Eg; EDID, 4:2:0, 6G for Sink testing)

*Supported functions are different according to each modules

4K test patterns

Monoscope, China Monoscope and Circular Zone Plate patterns by 4K resolution are supplied.



Motion Picture capability

Short time sequential motion picture of Bitmap files can be played (Eg; About 4 seconds at 1080/60p or 1 second at 4K/60p).