## AV/ UC/10

General		
Power Suppl		AC 100 V to 240 V, 50/60 Hz
Power Consumption		88 W
Ambient Operating Temperature		0 °C to 40 °C (32 °F to 104 °F)
Humidity		10 % to 90 % (no condensation)
Dimensions (W x H x D)		440 mm x 158 mm x 361 mm (17-5/16 inches x 6-7/32 inches x 14-7/32 inches) [excluding protrusions]
Mass		Approx. 6.2 kg (13.669 lb) [excluding accessory parts when no options have been installed] Approx. 6.6 kg (14.550 lb) [excluding accessory parts when all the possible options have been installed]
Video Term	inal	
VIUCO ICIIII	iliai	Standard SDI: 8 signal lines BNC x 8 (SDI INPUT 1 to SDI INPUT 8)
Video Inputs		The up-converter function can be used for the SDI INPUT 5 to SDI INPUT 8 connectors.
(13 signal lii	nes,	Standard DVI-D: 1 signal line DVI-D x 1
maximum)		Optional: Up to 4 additional signal lines (IN A1, IN A2, IN B1, IN B2) (Up to two option boards can be installed in the two input/output slots.)
		Standard SDI: 5 signal lines BNC x 6 (SDI OUTPUT 1 to SDI OUTPUT 5 x 1 line each, 2 distributed outputs for SDI OUTPUT 1 only)
		Standard DVI-D: 1 signal line DVI-D x 1
Video Outputs (10 signal lines, maximum)		Optional: Up to 4 additional lines (OUT A1, OUT A2, OUT B1, OUT B2) (Up to two option boards can be installed in the two input/output slots.)
		<ul> <li>PGM, PVW, AUX1 to AUX4, MV (MULTI_VIEW), CLN, KEYOUT and MEM PVW can be assigned to SDI OUTPUT 1 to SDI OUTPUT 5, DVI-D OUT, OUT A1, OUT A2, OUT B1 and OUT B2.</li> <li>CLN can be pre-selected from KEY or DSK using a menu.</li> </ul>
	SD	480/59.94i, 576/50i
Signal Formats	HD	1080/59,94i, 1080/50i, 720/59,94p, 720/50p, 1080/24PsF, 1080/23.98PsF*   "The following option boards are not supported:     AV-HS04M1, AV-HS04M2, AV-HS04M3, AV-HS04M4, AV-HS04M5, AV-HS04M6, AV-HS04M7
Signal Processing		Y:P <sub>B</sub> :P <sub>R</sub> 4: 2: 2, 10 bit (8 bits for video memory) RGB 4:4:4, 8 bit
ME Number		1ME
SDI Inputs		HD-SDI: HD Serial digital (SMPTE 292M) SD-SDI: SD Serial digital (SMPTE 259M) 8 signal lines, standard: IN1 to IN8 12 signal lines, maximum: IN A1, IN A2, IN B1, IN B2 (When two AV-HS04M1 boards are used; with active
		through)  HD: SMPTE 292M (BTA S-004B) standard complied with $\bullet$ 0.8 V $[p-p] \pm 10 \% (75 \Omega)$ • Automatic equalizer More than 100 m (328 ft) (when 1.5 Gbps/5C-FB cable is used)  SD: SMPTE 259M standard complied with $\bullet$ 0.8 V $[p-p] \pm 10 \% (75 \Omega)$
		Automatic equalizer 200 m (656 ft)
		(when 5C-2V cable is used)  HD-SDI: HD Serial digital (SMPTE 292M) SD-SDI: SD Serial digital (SMPTE 259M)
SDI Outputs		5 signal lines, standard: OUT1 x 2; OUT2 to OUT5 x 1 each

9 signal lines, maximum: OUT A1, OUT A2, OUT B1, OUT B2 (When two AV-HS04M7 boards are used)

	HD: SMPTE 292M (BTA S-004B) standard complied with
	Output level     Rise time     O.8 V [p-p]±10 %     HD: Less than 270 ps
	• Fall time HD: Less than 270 ps
	Difference between rise time
	and fall time HD: Less than 100 ps
	Alignment jitter
SDI Outputs	Timing jitter
SDI Outputs	• DC offset 0 ±0.5 V
	SD: SMPTE 259M standard complied with
	Output level     O.8 V [p-p] ±10 %
	Rise time     Less than 1.5 ns
	• Fall time Less than 1.5 ns
	Difference between rise time     and fall time     Less than 0.5 ns
	• Jitter Less than 0.2 UI
	Analog composite signal (NTSC/PAL) (1.0 V [p-p], 75 Ω)
Composite Input	4 signal lines, maximum: IN A1, IN A2, IN B1, IN B2
(Option board)	(When two AV-HS04M6 boards are used; with loop-
	through)
Analog Input	SD/HD analog component Y/P <sub>B</sub> /P <sub>R</sub> (1.0 V [p-p], 75 Ω)
Analog Input (Option board)	4 signal lines, maximum: IN A1, IN A2, IN B1, IN B2
(	(When two AV-HS04M2 boards are used)
	SD/HD analog component Y/P <sub>B</sub> /P <sub>R</sub> (1.0 V [p-p], 75 Ω)
Analog Output	4 signal lines, maximum: OUT A1, OUT A2, OUT B1, OUT B2
(Option board)	(When two AV-HS04M4 boards are used)
	2 signal lines (OUT A1, OUT B1) when two AV-HS04M5 boards are used.
	Analog/digital RGB:
	XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024)
DVI-I Input	Vertical frequency: 60 Hz
(Option board)	This connector does not support the HDCP technologies.
	4 signal lines, maximum: IN A1, IN A2, IN B1, IN B2
	(When two AV-HS04M3 boards are used)
	Analog/digital RGB:
	XGA (1024 x 768), WXGA (1280 x 768),
	SXGA (1280 x 1024), WSXGA+* (1680 x 1050), UXGA* (1600 x 1200), WUXGA* (1920 x 1200)
DVI-I Output	*Selectable only when digital signals are output.
(Option board)	Vertical frequency: 60 Hz
	This connector does not support the HDCP technologies.
	2 signal lines, maximum: OUT A2, OUT B2
	(When two AV-HS04M5 boards are used)
	Digital RGB:
	XGA (1024 x 768), WXGA (1280 x 768),
	XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WSXGA+ (1680 x 1050), UXGA
	XĞA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WSXGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz
DVI-D Input	XGA (1024 × 768), WXGA (1280 × 768), SXGA (1280 × 1024), WSKGA+ (1680 × 1050), UXGA (1600 × 1200), WUXGA (1920 × 1200) Vertical frequency: 60 Hz Digital RGB: 1080/50p, 1080/59.94p
	XGA (1024 x 768), WXGA (1280 x 768),   XSGA (1280 x 1024), WXXGA+ (1680 x 1050), UXGA   (1600 x 1200), WUXGA (1920 x 1200)   Vertical frequency: 60 Hz   Digital RGB: 1080/50p, 1080/59.94p   Analog input signals are not supported.
	XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WSXGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200)   Vertical frequency: 60 Hz   Digital RGB: 1080/50p, 1080/59.94p     Analog input signals are not supported.     This connector does not support the HDCP technologies.
	XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WXGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200)   Vertical frequency: 60 Hz Digital R68: 1080/50p, 1080/59.94p    • Analog input signals are not supported. • This connector does not support the HDCP technologies. 4 signal lines, maximum: IN A1, IN A2, IN B1, IN B2
	KGA (1024 x 768), WKGA (1280 x 768), SXGA (1280 x 1024), WSXGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200)   Vertical frequency: 60 Hz     Digital RGB: 1080/509, 1080/59.94p     * Analog input signals are not supported.     * This connector does not support the HDCP technologies.     4 signal lines, maximum: IN A1, IN A2, IN B1, IN B2 (When two AV-HSO4MB boards are used)
	XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WXGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200)   Vertical frequency: 60 Hz Digital R68: 1080/50p, 1080/59.94p    • Analog input signals are not supported. • This connector does not support the HDCP technologies. 4 signal lines, maximum: IN A1, IN A2, IN B1, IN B2
	XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WSKGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz Digital RGB: 1080/50p, 1080/59.94p • Analog input signals are not supported. • This connector does not support the HDCP technologies. 4 signal lines, maximum: IN A1, IN A2, IN B1, IN B2 (When two AV-HSO4MB boards are used) • The DVI-I connector cable cannot be used.
	XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WXGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200)   Vertical frequency: 60 Hz Digital R6B: 1080/509, 1080/59.94p   • Analog input signals are not supported. • This connector does not support the HDCP technologies.  4 signal lines, maximum: IN A1, IN A2, IN B1, IN B2 (When two AV-H504M8 boards are used) • The DVII- connector cable cannot be used. • For the DVI-D connector cable, use a cable with a length of up to 5 m (16.4 ft).  Digital R6B:
	XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WXGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200)   Vertical frequency: 60 Hz     Digital RGB: 1080/50p, 1080/59.94p     Analog input signals are not supported.     This connector does not support the HDCP technologies.     4 signal lines, maximum: IN A1, IN A2, IN B1, IN B2 (When two AV-HS04M8 boards are used)     The DVI-I connector cable cannot be used.     For the DVI-D connector cable, use a cable with a length of up to 5 m (16.4 ft).     Digital RGB: XGA (1280 x 768), WXGA (1280 x 768),
	KGA (1024 x 768), WKGA (1280 x 768), SXGA (1280 x 1024), WSXGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz Digital RGB: 1080/50p, 1080/59.94p  • Analog input signals are not supported. • This connector does not support the HDCP technologies. 4 signal lines, maximum: IN A1, IN A2, IN B1, IN B2 (When two AV-H504MB boards are used) • The DVI-I connector cable cannot be used. • For the DVI-D connector cable, use a cable with a length of up to 5 m (16.4 ft). Digital RGB: XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WSXGA+ (1680 x 1050),
	XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WXGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200)   Vertical frequency: 60 Hz     Digital RGB: 1080/50p, 1080/59.94p     Analog input signals are not supported.     This connector does not support the HDCP technologies.     4 signal lines, maximum: IN A1, IN A2, IN B1, IN B2 (When two AV-HSO4MB boards are used)     The DVI-L connector cable, use a cable with a length of up to 5 m (16.4 ft).     Digital RGB:     SGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WXSGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200)
	KGA (1024 x 768), WKGA (1280 x 768), SXGA (1280 x 1024), WSXGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz Digital RGB: 1080/50p, 1080/59.94p  • Analog input signals are not supported. • This connector does not support the HDCP technologies. 4 signal lines, maximum: IN A1, IN A2, IN B1, IN B2 (When two AV-H504MB boards are used) • The DVI-I connector cable cannot be used. • For the DVI-D connector cable, use a cable with a length of up to 5 m (16.4 ft). Digital RGB: XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WSXGA+ (1680 x 1050),
	XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WXGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz Digital RGB: 1080/50p, 1080/59.94p  ■ Analog input signals are not supported. ■ This connector does not support the HDCP technologies. ■ signal lines, maximum: IN A1, IN A2, IN B1, IN B2 (When two AV-HS04M8 boards are used) ■ The DVI-I connector cable cannot be used. ■ For the DVI-D connector cable, use a cable with a length of up to 5 m (16.4 ft).  Digital RGB: XGA (1024 x 768), WXGA (1280 x 768), XXGA (1280 x 1024), WSXGA+ (1880 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz Video format inputs: Digital RGB: 1080/50p, 1080/59.94p
	XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WXGA (1800 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz Digital RGB: 1080/50, 1080/59.94p  • Analog input signals are not supported. • This connector does not support the HDCP technologies.  4 signal lines, maximum: IN A1, IN A2, IN B1, IN B2 (When two AV-HSO4MB boards are used) • The DVII- connector cable, use a cable with a length of up to 5 m (16.4 ft).  Digital RGB: XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WSXGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz Video format inputs: Digital RGB: 1080/50p, 1080/59.94p Vertical frequency: Same as system formats
	XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WXGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz Digital R6B: 1080/50p, 1080/59.94p  ■ Analog input signals are not supported.  ■ This connector does not support the HDCP technologies.  4 signal lines, maximum: IN A1, IN A2, IN B1, IN B2 (When two AV-HS04M8 boards are used)  ■ The DVI-I connector cable cannot be used.  ■ For the DVI-D connector cable, use a cable with a length of up to 5 m (16.4 ft).  Digital RGB:  XGA (1024 x 768), WXGA (1280 x 768),  XXGA (1280 x 1024), WSXGA+ (1880 x 1050),  UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz Video format inputs:  Digital RGB: 1080/50p, 1080/59.94p Vertical frequency: Same as system formats Video format outputs:
	XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WXGA (1800 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz Digital RGB: 1080/50p, 1080/59.94p  • Analog input signals are not supported.  • This connector does not support the HDCP technologies.  4 signal lines, maximum: IN A1, IN A2, IN B1, IN B2 (When two AV-H504M8 boards are used)  • The DVII-1 connector cable, use a cable with a length of up to 5 m (16.4 ft).  Digital RGB: XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WSXGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz Video format inputs: Digital RGB: Some as system formats Video format outputs: Digital RGB: 1080/50p, 1080/59.94p, 1080/50i,
(Option board)	XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WXGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz Digital RGB: 1080/50p, 1080/59.94p  • Analog input signals are not supported. • This connector does not support the HDCP technologies. 4 signal lines, maximum: IN A1, IN A2, IN B1, IN B2 (When two AV-HS04M8 boards are used) • The DVI-1 connector cable cannot be used. • For the DVI-0 connector cable, use a cable with a length of up to 5 m (16.4 ft). Digital RGB: XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WXSGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz Video format inputs: Digital RGB: 1080/50p, 1080/59.94p Vertical frequency: Same as system formats Video format outputs: Digital RGB: 1080/50p, 1080/59.94p, 1080/50.
(Option board)	XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WXGA (1800 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz Digital RGB: 1080/50p, 1080/59.94p  • Analog input signals are not supported.  • This connector does not support the HDCP technologies.  4 signal lines, maximum: IN A1, IN A2, IN B1, IN B2 (When two AV-H504M8 boards are used)  • The DVII-1 connector cable, use a cable with a length of up to 5 m (16.4 ft).  Digital RGB: XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WSXGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz Video format inputs: Digital RGB: Some as system formats Video format outputs: Digital RGB: 1080/50p, 1080/59.94p, 1080/50i,
DVI-D Input (Option board)	KGA (1024 x 768), WKGA (1280 x 768), SXGA (1280 x 1024), WXGA (1280 x 1050), UXGA (1800 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz Digital RGB: 1080/50p, 1080/59.94p  • Analog input signals are not supported.  • This connector does not support the HDCP technologies.  4 signal lines, maximum: IN A1, IN A2, IN B1, IN B2 (When two AV-HSO4M8 boards are used)  • The DVI-L connector cable, use a cable with a length of up to 5 m (16.4 ft). Digital RGB: USA (1024 x 768), WKGA (1280 x 768), SXGA (1280 x 1024), WXGA (1920 x 1200) Vertical frequency: 60 Hz Video format inputs: Digital RGB: 1080/50p, 1080/59.94p, 1080/50i, 1080/59.94p, 1720/50p, 1720/59.94p  • The input and output of analog signals are not supported.  • Output support the high-resolution multi view mode: Signals are output with a high resolution even when
(Option board)	KGA (1024 x 768), WKGA (1280 x 768), SKGA (1280 x 1024), WKGA (1800 x 1050), UKGA (1800 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz Digital RGB: 1080/50p, 1080/59.94p  • Analog input signals are not supported.  • This connector does not support the HDCP technologies.  4 signal lines, maximum: IN A1, IN A2, IN B1, IN B2 (When two AV-H504MB boards are used)  • The DVII-1 connector cable, use a cable with a length of up to 5 m (16.4 ft).  Digital RGB: KGA (1024 x 768), WKGA (1280 x 768), SKGA (1280 x 1024), WSKGA+ (1880 x 1050), UKGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz Video format inputs: Digital RGB: 1080/50p, 1080/59.94p Vertical frequency: 50me as system formats Video format outputs: Digital RGB: 1080/50p, 1080/59.94p, 1080/50i, 1080/59.94p, 720/59.94p  • The input and output of analog signals are not supported.  • Output support the high-resolution multi view mode: Signals are output with a high resolution even when SD is set as the system mode.
(Option board)	KGA (1024 x 768), WKGA (1280 x 768), SXGA (1280 x 1024), WXGA (1800 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz Digital RGB: 1080/50p, 1080/59.94p  • Analog input signals are not supported. • This connector does not support the HDCP technologies. 4 signal lines, maximum: IN A1, IN A2, IN B1, IN B2 (When two AV-HSO4M8 boards are used) • The DVI-1 connector cable cannot be used. • For the DVI-0 connector cable, use a cable with a length of up to 5 m (16.4 ft).  Digital RGB: XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WSXGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz Video format inputs: Digital RGB: 1080/50p, 1080/59.94p Vertical frequency: Same as system formats Video format outputs: Digital RGB: 1080/50p, 1080/59.94p, 1080/50; 1080/59.94; 720/50p, 720/59.94p • The input and output of analog signals are not supported. • Output support the high-resolution multi view mode: Signals are output with a high resolution even when SD is set as the system mode. (When high-resolution multi view mode has been
(Option board)	KGA (1024 x 768), WKGA (1280 x 768), SKGA (1280 x 1024), WSKGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz Digital RGB: 1080/50, 1080/59.94p  • Analog input signals are not supported. • This connector does not support the HDCP technologies. • Signal lines, maximum: IN A1, IN A2, IN B1, IN B2 (When two AV-HSO4M8 boards are used) • The DVI-I connector cable cannot be used. • For the DVI-D connector cable, use a cable with a length of up to 5 m (16.4 ft). Digital RGB: XGA (1024 x 768), WXGA (1280 x 768), XKGA (1280 x 1024), WSXGA+ (1880 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz Video format inputs: Digital RGB: 1080/50p, 1080/59.94p, 1080/50; 1080/59.94i, 720/50p, 720/59.94p  • The input and output of analog signals are not supported. • Output support the high-resolution multi view mode: Signals are output with a high resolution even when SD is set as the system mode. (When high-resolution multi view mode has been enabled, MV is selected as the DVI-D OUT
(Option board)	KGA (1024 x 768), WKGA (1280 x 768), SXGA (1280 x 1024), WSKGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz Digital RGB: 1080/50, 1080/59.94p  • Analog input signals are not supported.  • This connector does not support the HDCP technologies.  4 signal lines, maximum: IN A1, IN A2, IN B1, IN B2 (When two AV-H504M8 boards are used)  • For the DVI-1 connector cable cannot be used. • For the DVI-0 connector cable, use a cable with a length of up to 5 m (16.4 ft).  Digital RGB:  KGA (1024 x 768), WKGA (1280 x 768), SXGA (1280 x 1024), WSKGA+ (1860 x 1050), UXGA (1600 x 1024), WSKGA+ (1800 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz Video format inputs:  Digital RGB: 1080/50p, 1080/59.94p Vertical frequency: Same as system formats Video format outputs:  Digital RGB: 1080/50p, 1080/59.94p, 1080/50; 1080/59.94i, 720/50p, 720/59.94p  • The input and output of analog signals are not supported.  • Output support the high-resolution multi view mode: Signals are output with a high resolution even when SD is set as the system mode.  (When high-resolution multi view mode has been enabled, MV is selected as the VII-O UIT, output, and it is not possible to select MV with SDI OUT,
(Option board)	KGA (1024 x 768), WKGA (1280 x 768), SKGA (1280 x 1024), WSKGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz Digital RGB: 1080/50, 1080/59.94p  • Analog input signals are not supported. • This connector does not support the HDCP technologies. • Signal lines, maximum: IN A1, IN A2, IN B1, IN B2 (When two AV-HSO4M8 boards are used) • The DVI-I connector cable cannot be used. • For the DVI-D connector cable, use a cable with a length of up to 5 m (16.4 ft). Digital RGB: XGA (1024 x 768), WXGA (1280 x 768), XKGA (1280 x 1024), WSXGA+ (1880 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz Video format inputs: Digital RGB: 1080/50p, 1080/59.94p, 1080/50; 1080/59.94i, 720/50p, 720/59.94p  • The input and output of analog signals are not supported. • Output support the high-resolution multi view mode: Signals are output with a high resolution even when SD is set as the system mode. (When high-resolution multi view mode has been enabled, MV is selected as the DVI-D OUT
(Option board)	XGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WXGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz Digital RGB: 1080/50, 1080/59.94p  • Analog input signals are not supported. • This connector does not support the HDCP technologies. 4 signal lines, maximum: IN A1, IN A2, IN B1, IN B2 (When two AV-H504M8 boards are used) • The DVI-L connector cable cannot be used. • For the DVI-D connector cable, use a cable with a length of up to 5 m (16.4 ft). Digital RGB: SGA (1024 x 768), WXGA (1280 x 768), SXGA (1280 x 1024), WXSGA+ (1680 x 1050), UXGA (1600 x 1200), WUXGA (1920 x 1200) Vertical frequency: 60 Hz Video format inputs: Digital RGB: 1080/50p, 1080/59.94p Vertical frequency: Same as system formats Video format outputs: Digital RGB: 1080/50p, 1080/59.94p, 1080/50i, 1080/59.94p • The input and output of analog signals are not supported. • Output support the high-resolution multi view mode: Signals are output with a high resolution even when SD is set as the system mode. (When high-resolution multi view mode has been enabled, MV is selected as the DVI-D OUT output, and it is not possible to select M with SDI OUT.) • This connector does not support the HDCP technologies.

Synchronous Terminal				
Reference Input/ Output	In gen-lock mode: Black burst or Tri-level Sync input signals (with loop-through) In internal sync mode: Black burst output signals x 2 Same field frequencies as those of the system formats supported.  • With the 1080/24PsF format, only gen-lock mode supported.  • With the 1080/23.98PsF format, black burst with 10F-ID (SMPTE318M standard met) or TRI signals supported.			
	1 line (H) When the frame synchronizer setting is "Off" and the up-converter setting is "Off".  1 frame (F)			
Video Delay Time	When the frame synchronizer setting is "On" or the up-converter setting is "On".			
	<ul> <li>When the signals have passed through PinP, DVE, multi view, down-converter, DVI-IN or DVI-OUT, a maximum delay of 1 frame is applied in each case.</li> </ul>			
Control Terminal				
LAN	RJ-45 x 1 10BASE-T/100BASE-TX (For IP control) Connecting cable: LAN cable (category 5 or above), max. 100 m (328 ft), STP (Shielded Twisted Pair) cable recommended • When connecting to a hub (switching hub), use a straight cable. Use a crossover cable when connecting the unit and computer on a 1:1 basis without going through a hub. • Use with the same segment is recommended for the equipment which is connected to the unit. If the unit is connected to equipment whose segments are different, events dependent upon the settings inherent to the network equipment, for instance, may occur so thoroughly check the connections with the equipment to which the unit will be connected prior to the start of operation.			

EDITOR	D-sub, 9-pin, female Used to control an editor RS-422 control connector Communication format Baud rate: 38400 bps Character length: 8 bit Parity: Odd Stop bit: 1 bit Flow control: None
сом	D-sub, 9-pin, female Used to control an external device RS-422 control connector Communication format (selected using a menu) Mode: 1 (default setting) Baud rate: 9600 bps Character length: 8 bit Parity: None Stop bit: 1 bit Flow control: None Mode: 2 Baud rate: 38400 bps Character length: 8 bit Parity: Odd Stop bit: 1 bit Flow control: None Mode: 3 Baud rate: 38400 bps Character length: 8 bit Parity: Odd Stop bit: 1 bit Flow control: None Mode: 3 Baud rate: 38400 bps Character length: 8 bit Parity: None Stop bit: 1 bit Flow control: None Stop bit: 1 bit Flow control: None
TALLY/GPI 1 TALLY/GPI 2	D-sub, 15-pin, female ( x 2) Input: 8 inputs, general-purpose, photocoupler sensing Output: 19 outputs; selected from R/G tally, general-purpose Alarm: 1 output, open collector output (negative logic)
Other	anico (narras))] (for maintanago nursago)

BOOT switch [SV/NM (service/normal)] (for maintenance purposes) Normally, this switch is used as the "NM" position.

CD-ROM (Operating Instructions <Basics>, Operating Instructions <Operations and Settings>, User Guide "AV-HS410 Image Transmission Software", DVI input level adjustment file (BW.bmp), Image Transmission Software (ImageTransexe)), Power cable (2 m [6.6 ft])

## AV-HS410 Block Diagram

