

# *Live Content Producer*

---

**Operating Instructions**

**Software Version 2.25 and Later**

Read this manual together with the Operating Instructions for the AWS-G500E.

**ANYCAST STATION**



**AWS-G500HD**

## Owner's Record

The model and serial numbers are located at the bottom.

Record these numbers in the spaces provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_

### WARNING

**To reduce the risk of fire or electric shock, do not expose the unit to rain or moisture.**

**To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.**

**THIS APPARATUS MUST BE EARTHED.**

### WARNUNG

**Um die Gefahr von Bränden oder elektrischen Schlägen zu verringern, darf dieses Gerät nicht Regen oder Feuchtigkeit ausgesetzt werden.**

**Um einen elektrischen Schlag zu vermeiden, darf das Gehäuse nicht geöffnet werden. Überlassen Sie Wartungsarbeiten stets nur qualifiziertem Fachpersonal.**

**DIESES GERÄT MUSS GEERDET WERDEN.**

### AVERTISSEMENT

**Afin de réduire les risques d'incendie ou d'électrocution, ne pas exposer cet appareil à la pluie ou à l'humidité.**

**Afin d'écarter tout risque d'électrocution, garder le coffret fermé. Ne confier l'entretien de l'appareil qu'à un personnel qualifié.**

**CET APPAREIL DOIT ÊTRE RELIÉ À LA TERRE.**

### WARNING

When installing the unit, incorporate a readily accessible disconnect device in the fixed wiring, or connect the power plug to an easily accessible socket-outlet near the unit. If a fault should occur during operation of the unit, operate the disconnect device to switch the power supply off, or disconnect the power plug.

### WARNUNG

Beim Einbau des Geräts ist daher im Festkabel ein leicht zugänglicher Unterbrecher einzufügen, oder der Netzstecker muss mit einer in der Nähe des Geräts befindlichen, leicht zugänglichen Wandsteckdose verbunden werden. Wenn während des Betriebs eine Funktionsstörung auftritt, ist der Unterbrecher zu betätigen bzw. der Netzstecker abzuziehen, damit die Stromversorgung zum Gerät unterbrochen wird.

### AVERTISSEMENT

Lors de l'installation de l'appareil, incorporer un dispositif de coupure dans le câblage fixe ou brancher la fiche d'alimentation dans une prise murale facilement accessible proche de l'appareil. En cas de problème lors du fonctionnement de l'appareil, enclencher le dispositif de coupure d'alimentation ou débrancher la fiche d'alimentation.

**WARNING: THIS WARNING IS APPLICABLE FOR USA ONLY.**

If used in USA, use the UL LISTED power cord specified below.

**DO NOT USE ANY OTHER POWER CORD.**

Plug Cap	Parallel blade with ground pin (NEMA 5-15P Configuration)
Cord	Type SJT, three 16 or 18 AWG wires
Length	Minimum 1.5 m, Less than 2.5 m (8 ft 3 in)
Rating	Minimum 10 A, 125 V

Using this unit at a voltage other than 120 V may require the use of a different line cord or attachment plug, or both. To reduce the risk of fire or electric shock, refer servicing to qualified service personnel.

**WARNING: THIS WARNING IS APPLICABLE FOR OTHER COUNTRIES.**

1. Use the approved Power Cord (3-core mains lead) / Appliance Connector / Plug with earthing-contacts that conforms to the safety regulations of each country if applicable.
2. Use the Power Cord (3-core mains lead) / Appliance Connector / Plug conforming to the proper ratings (Voltage, Ampere).

If you have questions on the use of the above Power Cord / Appliance Connector / Plug, please consult a qualified service personnel.

**WARNUNG**

1. Verwenden Sie ein geprüftes Netzkabel (3-adriges Stromkabel)/einen geprüften Geräteanschluss/einen geprüften Stecker mit Schutzkontakten entsprechend den Sicherheitsvorschriften, die im betreffenden Land gelten.
2. Verwenden Sie ein Netzkabel (3-adriges Stromkabel)/einen Geräteanschluss/einen Stecker mit den geeigneten Anschlusswerten (Volt, Ampere).

Wenn Sie Fragen zur Verwendung von Netzkabel/ Geräteanschluss/Stecker haben, wenden Sie sich bitte an qualifiziertes Kundendienstpersonal.

**AVERTISSEMENT**

1. Utilisez un cordon d'alimentation (câble secteur à 3 fils)/fiche femelle/fiche mâle avec des contacts de mise à la terre conformes à la réglementation de sécurité locale applicable.
2. Utilisez un cordon d'alimentation (câble secteur à 3 fils)/fiche femelle/fiche mâle avec des caractéristiques nominales (tension, ampérage) appropriées.

Pour toute question sur l'utilisation du cordon d'alimentation/fiche femelle/fiche mâle ci-dessus, consultez un technicien du service après-vente qualifié.

**For the customers in the USA**

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio

frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

All interface cables used to connect peripherals must be shielded in order to comply with the limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**For the customers in Canada**

This Class A digital apparatus complies with Canadian ICES-003.

**Pour les clients au Canada**

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

**IMPORTANT**

The nameplate is located on the bottom.

**IMPORTANT**

La plaque signalétique se situe sous l'appareil.

**WICHTIG**

Das Namensschild befindet sich auf der Unterseite des Gerätes.

**CAUTION**

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type recommended by the manufacturer.

When you dispose of the battery, you must obey the law in the relative area or country.

**ATTENTION**

Il y a danger d'explosion s'il y a remplacement incorrect de la batterie. Remplacer uniquement avec une batterie du même type ou d'un type équivalent recommandé par le constructeur.

Lorsque vous mettez la batterie au rebut, vous devez respecter la législation en vigueur dans le pays ou la région où vous vous trouvez.

### **VORSICHT**

Explosionsgefahr bei Verwendung falscher Batterien. Batterien nur durch den vom Hersteller empfohlenen oder einen gleichwertigen Typ ersetzen.

Wenn Sie die Batterie entsorgen, müssen Sie die Gesetze der jeweiligen Region und des jeweiligen Landes befolgen.

### **For the customers in Europe, Australia and New Zealand**

#### **WARNING**

This is a Class A product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

### **Pour les clients en Europe, Australie et Nouvelle-Zélande**

#### **AVERTISSEMENT**

Il s'agit d'un produit de Classe A. Dans un environnement domestique, cet appareil peut provoquer des interférences radio, dans ce cas l'utilisateur peut être amené à prendre des mesures appropriées.

### **Für Kunden in Europa, Australien und Neuseeland**

#### **WARNUNG**

Dies ist eine Einrichtung, welche die Funk-Entstörung nach Klasse A besitzt. Diese Einrichtung kann im Wohnbereich Funkstörungen verursachen; in diesem Fall kann vom Betreiber verlangt werden, angemessene Maßnahmen durchzuführen und dafür aufzukommen.

### **For the customers in Europe**

The manufacturer of this product is Sony Corporation, 1-7-1 Konan, Minato-ku, Tokyo, Japan.

The Authorized Representative for EMC and product safety is Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Germany. For any service or guarantee matters please refer to the addresses given in separate service or guarantee documents.

This apparatus shall not be used in the residential area.

### **Pour les clients en Europe**

Le fabricant de ce produit est Sony Corporation, 1-7-1 Konan, Minato-ku, Tokyo, Japon.

Le représentant autorisé pour EMC et la sécurité des produits est Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Allemagne. Pour toute question concernant le service ou la garantie, veuillez consulter les adresses indiquées dans les documents de service ou de garantie séparés.

Ne pas utiliser cet appareil dans une zone résidentielle.

### **Für Kunden in Europa**

Der Hersteller dieses Produkts ist Sony Corporation, 1-7-1 Konan, Minato-ku, Tokyo, Japan.

Der autorisierte Repräsentant für EMV und Produktsicherheit ist Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Deutschland. Bei jeglichen Angelegenheiten in Bezug auf Kundendienst oder Garantie wenden Sie sich bitte an die in den separaten Kundendienst- oder Garantiedokumenten aufgeführten Anschriften.

Dieser Apparat darf nicht im Wohnbereich verwendet werden.

### **For kundene i Norge**

Dette utstyret kan kobles til et IT-strømfordelingssystem.

### **For the customers in the USA**

Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance ([www.eiae.org](http://www.eiae.org)).

### **For the State of California, USA only**

Perchlorate Material - special handling may apply, See

[www.dtsc.ca.gov/hazardouswaste/perchlorate](http://www.dtsc.ca.gov/hazardouswaste/perchlorate)

Perchlorate Material : Lithium battery contains perchlorate.

## Für Kunden in Deutschland

Dieses Gerät ist nur für den Gebrauch in Gewerbe und Leichtindustrie bestimmt.

## Für Kunden in Deutschland

Entsorgungshinweis: Bitte werfen Sie nur entladene Batterien in die Sammelboxen beim Handel oder den Kommunen. Entladen sind Batterien in der Regel dann, wenn das Gerät abschaltet und signalisiert „Batterie leer“ oder nach längerer Gebrauchsdauer der Batterien „nicht mehr einwandfrei funktioniert“. Um sicherzugehen, kleben Sie die Batteriepole z.B. mit einem Klebestreifen ab oder geben Sie die Batterien einzeln in einen Plastikbeutel.

## For the customers in Taiwan only



廢電池請回收

---

# Table of Contents

<b>Introduction .....</b>	<b>6</b>
About This Unit .....	6
Using This Manual .....	6
About the Standard Configuration Modules .....	6
<b>Names and Functions of Parts .....</b>	<b>7</b>
Rear Panel .....	7
<b>Connections .....</b>	<b>7</b>
<b>Limitations When Using the Standard     Configuration Modules .....</b>	<b>9</b>
<b>Notes on Menu Settings .....</b>	<b>9</b>
<b>Specifications .....</b>	<b>10</b>

---

# Introduction

---

## About This Unit

The AWS-G500HD Anycast Station Live Content Producer is an audiovisual production system equipped with video switching, camera control, and live Internet distribution systems. The basic functions of the AWS-G500HD unit are the same as those of the AWS-G500E, but the AWS-G500HD allows switching between HD analog and HD SDI input images with the standard configuration modules.

In addition, the AWS-G500 unit's ability to handle SD signals can be achieved on the AWS-G500HD by installing an optional interface module.

---

## Using This Manual

This manual contains only the minimum of information regarding the AWS-G500HD unit. When using the AWS-G500HD, read this manual together with the Operating Instructions for the AWS-G500E.

### Caution

The menu screens that appear when HD signals are input to this unit are different from those described in the AWS-G500E Operating Instructions, which appear when SD signals are input.

---

## About the Standard Configuration Modules

The AWS-G500HD is equipped with the following standard interface modules:

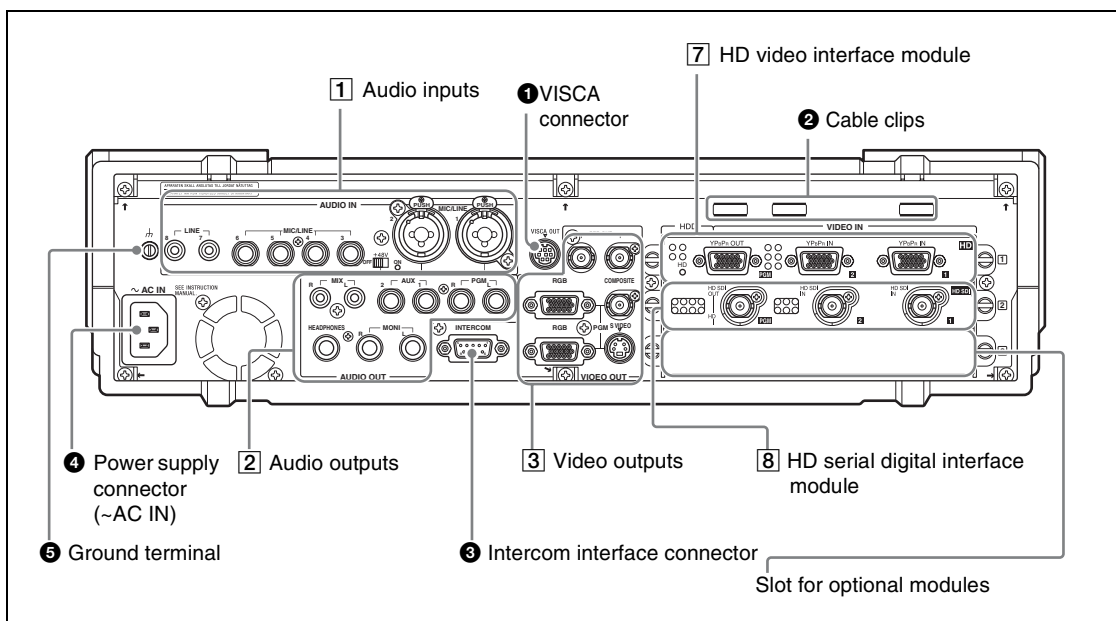
- HD video interface module
- HD serial digital interface module

This manual refers to these interface modules as the “standard configuration modules.”

# Names and Functions of Parts

The rear panel of the AWS-G500HD is the only part that differs from the AWS-G500E. For details on the other parts, refer to the AWS-G500E Operating Instructions.

## Rear Panel



For details on the function of each part on the rear panel, refer to the AWS-G500E Operating Instructions.

### Caution

- To maintain proper heat ventilation from the unit, be sure to keep empty slots covered with blank panels.
- If the HD SDI IN connectors of the HD serial digital interface module are open, a malfunction may occur in the HD SDI circuit due to noise from the nearby equipments. When using this module, be sure to attach 75 Ω terminators to the HD SDI IN connectors so as not to be open.

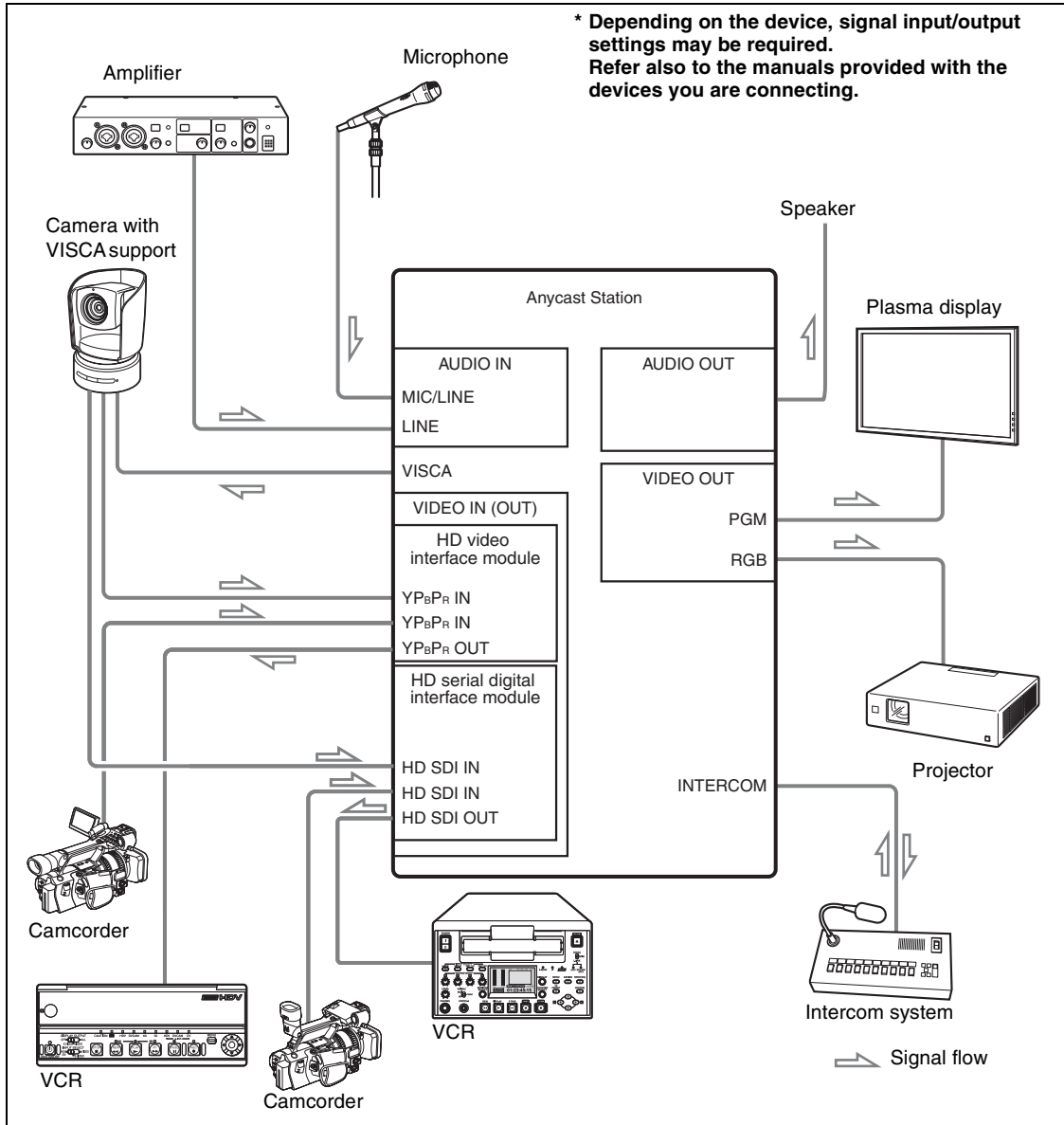
## Connections

The following figure shows a sample system configuration and signal flow. For details on how to make the connections, refer to the AWS-G500E Operating Instructions.

After connecting each device, you must configure settings on the unit for each input and output signal.

For details on settings for each input and output signal, refer to the AWS-G500E Operating Instructions.

### System configuration example when using the standard configuration modules



#### Caution

- Use the shortest possible cable type (especially with unregulated RGB). Shorter cables are recommended because, in general, using long cables to connect devices increases the risk of signal noise. Even when connecting this unit to another, it is best to use the shortest cables possible.
- Be careful with the connector portions of the interface modules, which may become hot depending on the conditions of operation.



---

# Limitations When Using the Standard Configuration Modules

*For details on changing the setting, refer to “Setting the PGM Output Aspect Ratio” in the AWS-G500E Operating Instructions.*

- You cannot record to an external hard disk.
- You cannot perform recording and playback operations for VCRs from the unit.

---

## Notes on Menu Settings

When the factory default settings are used, or when [Load] under [Job] in the top menu is set to [Default], the unit starts with the AWS-G500E default settings (for the SD signals). After that, when handling the HD signals by the unit with the standard configuration modules, carry out the following menu settings:

- In the top menu, [S3-1 RGB] and [S3-2 RGB] appear as the [Input] settings for [5] and [6] respectively of the [Video Input Assign] settings.  
Depending on your intended use, select [No Assign] for the [Input] setting or select [SLOT1] or [SLOT2] input.

*For details on how to change the settings, refer to “Assigning video input signals to the selection buttons” of the AWS-G500E Operating Instructions.*

### Required settings

- **[PGM OUT Aspect] under [Video Output] in the top menu is set to [4:3].** Based on this setting, the PGM and PVW viewers on the operation screen display in 4:3 aspect ratio, and signal output is disabled from the output connectors of the standard configuration modules. **Change the setting to [16:9 HD]. The PGM and PVW viewers display in 16:9 aspect ratio, and the HD lamps beside the output connectors of the standard configuration modules light, indicating that signal output is enabled.**

# Specifications

## General

Power Requirements	AC 100 V to 240 V, 50/60 Hz
Power Consumption	1.6 A-0.8 A
Operating Temperature	5°C to 40°C (41°F to 104°F)
Dimensions (w × h × d)	424 × 114 × 339 mm (16 <sup>3</sup> / <sub>4</sub> × 4 <sup>1</sup> / <sub>2</sub> × 13 <sup>3</sup> / <sub>8</sub> inches)
Mass	Approximately 8.0 kg (17 lb 10 oz)

## Video Signals

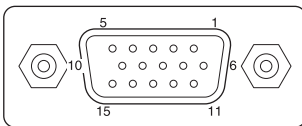
### VIDEO INPUTS (standard configuration)

YPbPr IN	D-Sub Shrink 15-pin Type × 2 (Female) 720/59.94p, 720/50p, 1080/59.94i, 1080/50i Y: 1.0 Vp-p, 75 Ω, with Sync Pb: 0.7 Vp-p (75 Ω) Pr: 0.7 Vp-p (75 Ω)
HD SDI IN	BNC × 2 720/59.94p, 720/50p, 1080/59.94i, 1080/50i 800 mVp-p (75 Ω) SMPTE292M compliant

### HD input signals

Video format	fH (kHz)	fV (Hz)	Sync
1080/60i	33.750	59.94	S on Y
1080/50i	28.130	50.000	S on Y
720/60p	45.000	59.94	S on Y
720/50p	37.500	50.000	S on Y

### Pin assignment



Pin	Signal	Pin	Signal	Pin	Signal
1	Pr (X)	6	Pr (GND)	11	NC
2	Y (X)	7	Y (GND)	12	NC
3	Pb (X)	8	Pb (GND)	13	Reserved
4	NC	9	NC	14	Reserved
5	GND	10	GND	15	NC

## VIDEO OUTPUTS

Composite	BNC Type × 1 Video: 1.0 Vp-p, 75 Ω Sync negative
S-video	DIN Type × 1 Y: 1.0 Vp-p, 75 Ω Sync negative C: 0.286 Vp-p at burst, 75 Ω (NTSC) C: 0.3 Vp-p at burst, 75 Ω (PAL)
YPbPr OUT	D-Sub Shrink 15-pin Type × 1 (Female) 720/59.94p, 720/50p, 1080/59.94i, 1080/50i Y: 1.0 Vp-p, 75 Ω, with Sync Pb: 0.7 Vp-p (75 Ω) Pr: 0.7 Vp-p (75 Ω)
HD SDI OUT	BNC × 1 720/59.94p, 720/50p, 1080/59.94i, 1080/50i 800 mVp-p (75 Ω) SMPTE292M compliant
RGB (VIDEO OUT)	15k RGB (50 Hz/59.94 Hz) R: 0.7 Vp-p (75 Ω) G: 0.7 Vp-p (75 Ω) B: 0.7 Vp-p (75 Ω) SYNC: Composite sync TTL output - audio output
RGB	D-Sub Shrink 15-pin Type × 2 (Female) XGA (1,024 × 768 60 Hz, 75 Hz) SXGA (1,280 × 1,024 60 Hz) WXGA (1,280 × 768 60 Hz, 75 Hz)

Menu setting		Signal format	FH (kHz)	FV (Hz)	Sync
RGB OUT *	PGM OUT **				
XGA 60 Hz	-	XGA VESA (DMT) 60 Hz	48.363	60.004	H-negative V-negative
XGA 75 Hz	-	XGA VESA (DMT) 75 Hz	60.023	75.029	H-positive V-positive
SXGA 60 Hz	-	SXGA VESA (DMT) 60 Hz	67.500	75.000	H-positive V-positive
Video RGB	NTSC	15k RGB 60 Hz	15.734	59.940	Composite sync
	PAL	15k RGB 50 Hz	15.625	50.000	Composite sync
RGB OUT	-	WXGA 60 Hz	47.693	59.992	H-negative V-positive
		WXGA 75 Hz	60.091	74.926	H-negative V-positive

\* For details of RGB OUT settings, refer to "Setting the RGB Output Signal Format" in the AWS-G500E Operating Instructions.

\*\* For details of PGM OUT settings, refer to “Selecting the Video Output Signal Format” in the AWS-G500E Operating Instructions.

**REF OUT** BNC Type × 2  
 Sync: 0.286 Vp-p, 75 Ω  
 (NTSC)  
 Sync: 0.3 Vp-p, 75 Ω (PAL)  
 C: 0.286 Vp-p at burst, 75 Ω  
 (NTSC)  
 C: 0.3 Vp-p at burst, 75 Ω  
 (PAL)

## Audio Signals

### AUDIO INPUTS

#### Analog Inputs 1-2

XLR/TRS Combo Type × 2  
 Ref. Level:  
 +4 dBu, -20 dBu, -44 dBu  
 Mic. Power:  
 +48 V

#### Analog Inputs 3-6

TRS Type × 4 / Ref. Level:  
 +4 dBu, -20 dBu, -44 dBu

#### Analog Inputs 7-8

Pin × 2 / Ref. Level: -10 dBu

#### HD SDI IN

BNC × 2  
 720/59.94p, 720/50p,  
 1080/59.94i, 1080/50i  
 Audio sampling rate:  
 20 bit 48 kHz 2 channels  
 (channels 1 and 2 or 3 and 4)  
 SMPTE299M compliant

### AUDIO OUTPUTS

**PGM OUT** TRS Type × 2 / Ref.: +4 dBu /  
 Impedance: 150 Ω

**MIX OUT** Pin Type × 2 / Ref.: -10 dBu /  
 Impedance: 470 Ω

**AUX OUT** TRS Type × 2 / Ref.: +4 dBu /  
 Impedance: 150 Ω

#### MONITOR OUT

TRS Type × 2 / Ref.: +4 dBu /  
 Impedance: 150 Ω

#### HD SDI OUT

BNC × 1  
 720/59.94p, 720/50p,  
 1080/59.94i, 1080/50i  
 Audio sampling rate:  
 20 bit 48 kHz 2 channels  
 (channels 1 and 2)  
 SMPTE299M compliant

#### HEADPHONES

1/4" Stereo Phone Jack Type ×  
 1  
 70 mW × 2 / Impedance: 47 Ω

## INTERCOM

D-Sub 9-pin Type (Female) /  
 Original Parallel I/O

## Other Interfaces

**NETWORK** RJ-45 Type × 1, 10 Base-T/  
 100 Base-TX

**USB** USB A Type × 2, USB equiv.

**RGB(GUI)** D-Sub Shrink 15-pin × 1  
 (Female),  
 WXGA 1,280 × 800 60 Hz

#### REMOTE

(Provided for future functional expansion.)

D-Sub 9-pin (Male) × 1,  
 RS-232C

#### FACTORY USE

D-Sub 15-pin × 1 (Male),  
 Original Parallel I/O

#### MEMORY STICK

“Memory Stick” Slot

**VISCA** DIN 8-pin Type × 1, RS-232C

Sony VISCA camera  
 commands are supported.

#### LCD

15.4”  
 WXGA (1,440 × 900\* 60 Hz)

#### Speaker

Built-In Speaker × 2,  
 Size: 20 × 40 mm

\* This specification is for LCD panels on Anycast Station units with serial numbers 51001 and later. The specification for LCD panels on units with serial numbers earlier than 51001 is WXGA 1,280 × 800 60 Hz. The specification for RGB (GUI) under “Other Interfaces” is WXGA 1,280 × 800 60 Hz, regardless of serial number.

## Supplied Accessories

CD-ROM (Manual) (× 1)

CD-ROM (Tutorial) (× 1)

Notes on using the CD-ROM (× 1)

BNC 75 Ω terminator (× 1)

Operating instructions (× 2) (AWS-G500E,  
 AWS-G500HD)

Keyboard (× 1) 85 keys + Pointer /

Infrared communication

Powered from

AWS-G500HD: +5 V

Battery operation: CR2032 or

CR2032H × 2

## Optional Accessories

BKAW-550 PC Video Interface Module

**RGB** D-Sub Shrink 15-pin Type × 2  
 (Female)

XGA (1,024 × 768, 60 Hz  
70 Hz 75 Hz)  
SXGA (1,280 × 1,024, 75 Hz  
60 Hz)  
VESA (DMT) compliant  
WXGA (1,280 × 768, 60 Hz)

Table of PC RGB input						
Format		fH	fV	Dot clock	Sync polarity	
		(kHz)	(Hz)	(MHz)	Horizontal	Vertical
1,024×768	XGA VESA 60 Hz	48.363	60.004	65	Negative	Negative
	XGA VESA 70 Hz	56.476	70.069	75	Negative	Negative
	XGA VESA 75 Hz	60.023	75.029	78.75	Positive	Positive
1,280×1,024	SXGA VESA 60 Hz	63.981	60.02	108	Positive	Positive
	SXGA VESA 75 Hz	79.976	75.025	135	Positive	Positive
1,280×768	WXGA* 60 Hz	47.693	59.992	80.125	Negative	Positive

\* Input from Macintosh computers is not supported.

### BKAW-560 HD Video Interface Module

(mounted in slot 1 of this unit)

YPbPr IN D-Sub Shrink 15-pin Type × 2  
(Female)  
720/59.94p, 720/50p,  
1080/59.94i, 1080/50i  
Y: 1.0 Vp-p, 75 Ω, with Sync  
Pb: 0.7 Vp-p (75 Ω)  
Pr: 0.7 Vp-p (75 Ω)

YPbPr OUT D-Sub Shrink 15-pin Type × 1  
(Female)  
720/59.94p, 720/50p,  
1080/59.94i, 1080/50i  
Y: 1.0 Vp-p, 75 Ω, with Sync  
Pb: 0.7 Vp-p (75 Ω)  
Pr: 0.7 Vp-p (75 Ω)

### BKAW-570 SD Video Interface Module

Composite BNC Type × 2  
Video: 1.0 Vp-p, 75 Ω,  
Sync negative

S-video DIN Type × 2  
Y: 1.0 Vp-p, 75 Ω,  
Sync negative  
C: 0.286 Vp-p at burst, 75 Ω,  
(NTSC)  
C: 0.3 Vp-p at burst, 75 Ω,  
(PAL)

DV IN/OUT i.LINK: IEEE1394 6-pin Type  
× 2  
IEC 61883-2 equiv.  
AUDIO INPUTS:  
Ref. Level: -20 dBFS  
Sampling rate: 12 bit 32 kHz  
4 ch (uses only ch 1 and 2)  
16 bit 48 kHz 2 ch

AUDIO OUTPUTS:  
Ref. Level: -20 dBFS  
Sampling rate: 12 bit 32 kHz  
4 ch

16 bit 48 kHz 2 ch

HDD i.LINK: IEEE1394 6-pin Type  
× 1  
HDD IF: SBP2

### BKAW-580/BKAW-581\*1 Serial Digital Interface Module

SDI IN BNC × 2  
VIDEO: 800 mVp-p (75 Ω)  
SMPTE259M-C ITU-R656  
compliant

AUDIO:

Audio sampling rate:  
20 bit 48 kHz 2 channels  
(channels 1 and 2 or 3 and 4)

SDI OUT

SMPTE272M-A compliant  
BNC × 1  
VIDEO: 800 mVp-p (75 Ω)  
SMPTE259M-C ITU-R656  
compliant

AUDIO:

Audio sampling rate:  
20 bit 48 kHz 2 channels  
(channels 1 and 2)

HDD\*2

SMPTE272M-A compliant  
HDD i.LINK: IEEE1394 S400  
(6 pins) × 1  
HDD IF: SBP2

\*1 This interface module will be supported in software  
version 2.30 and later.

\*2 BKAW-580 only.

### BKAW-590 HD Serial Digital Interface Module

(mounted in slot 2 of this unit)

HD SDI IN BNC × 2  
720/59.94p, 720/50p,  
1080/59.94i, 1080/50i  
VIDEO: 800 mVp-p (75 Ω)  
SMPTE292M compliant  
AUDIO:  
Audio sampling rate:  
20 bit 48 kHz 2 channels  
(channels 1 and 2 or 3 and 4)

HD SDI OUT

SMPTE299M compliant  
BNC × 1  
720/59.94p, 720/50p,  
1080/59.94i, 1080/50i  
VIDEO: 800 mVp-p (75 Ω)  
SMPTE292M compliant  
AUDIO:

Audio sampling rate:  
20 bit 48 kHz 2 channels  
(channels 1 and 2)  
SMPTE299M compliant

### **Caution**

Due to the internal video processing of AWS-G500 series, the output SDI signal is not guaranteed to be identical to the input SDI signal.

### **Recommended power cord**

For USA and CANADA only

Part No. 1-551-812-11

For Europe only

Part No. 1-782-929-22

Design and specifications are subject to change without notice.

### **Notes**

- Always make a test recording, and verify that it was recorded successfully.  
SONY WILL NOT BE LIABLE FOR DAMAGES OF ANY KIND INCLUDING, BUT NOT LIMITED TO, COMPENSATION OR REIMBURSEMENT ON ACCOUNT OF FAILURE OF THIS UNIT OR ITS RECORDING MEDIA, EXTERNAL STORAGE SYSTEMS OR ANY OTHER MEDIA OR STORAGE SYSTEMS TO RECORD CONTENT OF ANY TYPE.
- Always verify that the unit is operating properly before use. SONY WILL NOT BE LIABLE FOR DAMAGES OF ANY KIND INCLUDING, BUT NOT LIMITED TO, COMPENSATION OR REIMBURSEMENT ON ACCOUNT OF THE LOSS OF PRESENT OR PROSPECTIVE PROFITS DUE TO FAILURE OF THIS UNIT, EITHER DURING THE WARRANTY PERIOD OR AFTER EXPIRATION OF THE WARRANTY, OR FOR ANY OTHER REASON WHATSOEVER.





## For Customer in China

根据中华人民共和国信息产业部第39号令《电子信息产品污染控制管理办法》及标准中要求的“有毒有害物质或元素名称及含量”等信息，本产品相关信息请参考以下链接：  
<http://pro.sony.com.cn>

制造商：索尼公司

原产地：日本

总经销商：索尼（中国）有限公司

地址：北京市朝阳区东三环北路霞光里18号佳程大厦A座25层

出版日期：2009年4月

Printed on recycled paper.

Sony Corporation Printed in Japan

<http://www.sony.net/>