The BRC-H700 can be remotely controlled (pan/tilt/zoom) by the Anycast Station™ HD system (AWS-G500HD), and up to six presets can be registered. The BRC-H700 camera, along with the portable Anycast Station system, the ultra portable business projector VPL-CS21/CX21, VAIO® Series PC, and the UWP Series Wireless Microphones enable you to run high quality live presentations virtually hassle-free, with less people.
The Anycast Station™ Live Content Producer is a solution that combines decades of Sony AV expertise together with industry-leading IT technology.

Designed as a powerful content creation tool for live event programming, it is comprised of a high-quality video switcher, an audio mixer, a large LCD display, and a streaming encoder and server – all packed into an attaché case size chassis weighing only about 17 lb 10 oz (8 kg).

To accommodate today’s growing needs to integrate video, audio, and a variety of PC input sources in live events, the AWS-G500 Anycast Station system provides a comprehensive set of AV and IT inputs. These include analog composite, S-Video, DV input, SD-SDI, and balanced analog audio as well as computer RGB input. Furthermore, in response to emerging needs for HD-based live event and content creation, the AWS-G500HD Anycast Station system provides HD interfaces including HD analog component and HD-SDI. The Anycast Station system performs the unique processing that allows live switching between these video and computer sources without the use of external line converters.

When it comes to program delivery, the Anycast Station system is also very flexible. Straight from the Anycast Station system, the user can feed programs to a TV transmitter for live broadcast, record onto tape, feed the switched program output directly to large venue displays, store input sources and a PGM output to external hard disk drives*, stream the program on the web on a live or on-demand basis, or even edit the stored A/V files on a PC.

With all these unique features, plus a logical design for ultimate ease of use, the Anycast Station system is a tool that can be used by anyone, anytime, and anywhere – for remote television broadcast operations, church productions, product promotions, event and live staging, music clip creation, conferences, seminars, and distance learning. Just plug in the power cord, turn on the power, and deliver the program.

*With BKAW570/580 interface modules only
All-in-one design

The Anycast Station system comes equipped with a video switcher, an audio mixer, an LCD display, and camera control functions, all packed into a compact attaché case design.

This approach eliminates any external wiring and cumbersome signal adjustments, making setup extremely easy and quick. On the large LCD screen, there are two windows for monitoring the program and preview outputs, together with seven windows to view each individual input source plus one internal still picture source, eliminating the need for multiple video monitors. These factors make the Anycast Station system a powerful device for producing live events, virtually anywhere and with a minimum production crew and setup time. Despite its compact design, each function of the Anycast Station system provides uncompromising power and quality.
**Easy and integrated operation**

The Anycast Station system makes live event programming as simple as possible. This is because the Anycast Station system requires very little or no technical knowledge of switcher and mixer setup and operations due to its extremely intuitive control surface and large LCD display.

With the Anycast Station system, switching between the desired input signals is an extremely easy task. This is because all input sources, as well as the preview and program outputs, are shown on one large LCD screen – simply select the next desired signal from the ‘NEXT’ button row and slide the transition fader or hit the ‘Cut’ button.

The window frames of the input sources chosen for the program and preview outputs are highlighted in the same color as the program and preview window markers. This gives operators complete comfort that the correct inputs have been selected. A variety of preset effect patterns are available for source switching transitions as well as for inserting keys.

On all GUI displays, a choice of 10 languages is provided for maximum ease of use.

**Camera remote control capability**

The Anycast Station system allows operators to easily control up to six compatible Pan/Tilt/Zoom cameras at remote locations, since it allows Pan and Tilt adjustments from its position controller, in addition to Iris, Focus, and Zoom control using the jog and shuttle dials. Sony offers a variety of compatible cameras such as BRC-300, BRC-H700, EVI-HD1. (For details of compatible models, refer to the chart on page 11)

**Multiple Language Support**

Languages available on the GUI display and Text Typing Tool:

1. English
2. Chinese (Simplified)
3. Chinese (Traditional)
4. French
5. German
6. Italian
7. Japanese
8. Korean
9. Portuguese
10. Spanish
Seamless switching between video and PC sources

In live events, there’s no telling what types of signal sources need to be presented or distributed. With the Anycast Station system this dilemma is a thing of the past. The Anycast Station system allows live switching between a variety of signal sources – from standard definition video (analog composite, S-Video, DV, SD-SDI), high-definition video (HD analog component, HD-SDI) to PC images with various resolutions. Two important features make this possible – the sophisticated built-in line converters and the high-resolution internal processing. Each input source supplied to the Anycast Station system is up-converted and processed within a 1280 x 1024 progressive domain to allow switching between sources of different resolutions, while keeping picture degradation to a minimum. The program can be output from a variety of interfaces including analog composite, S-Video, SD-SDI*1 for video, HD analog component*2, HD-SDI*3, and D-Sub 15-pin outputs for projectors and Plasma displays.

*1 When using the optional BKAW-580 Serial Digital Interface Module
*2 When using the optional BKAW-560 HD Analog Component Module
*3 When using the optional BKAW-590 HD-SDI Module

Flexible video input configurations

As standard, the AWS-G500 system offers the following video and PC inputs. These are provided as interface modules installed in the slots of its rear panel.

Primary inputs 1 to 4:
- Analog composite, S-Video, DV
Primary inputs 5 to 6:
- RGB (XGA, SXGA, WXGA)

For AWS-G500HD, the following inputs are standard:

Primary inputs 1 to 2:
- HD Analog Component
Primary inputs 3 to 4:
- HD-SDI

Should a different input configuration be required, a variety of optional interface modules ranging from SD to HD and PC RGB are available, allowing users to configure the system exactly as required.

What’s more, the Anycast Station system allows each input on these modules to be assigned to any one of the primary inputs via simple menu settings.

Rear Panel Connectors (AWS-G500)

2x BKAW-570 and 1x BKAW-550 interface modules pre-installed

Rear Panel Connectors (AWS-G500HD)

1x BKAW-560 and 1x BKAW-590 interface modules pre-installed
Recording to hard disk drives

*Available with BKAW570/580 only

During a live event, each standard definition video signal source supplied to the Anycast Station system’s primary inputs and PGM output can be recorded to external third-party hard disk drive equipped with an IEEE1394 interface.

The Anycast Station system allows synchronized recording of two primary standard definition video input sources to an external third-party hard disk drive. During a live event, each standard definition video signal source supplied to the Anycast Station system’s primary inputs and PGM output can be recorded to external third-party hard disk drive equipped with an IEEE1394 interface. This means that with only two hard disk drives, four primary inputs can be recorded. What’s more, the PGM output of the Anycast Station system can also be recorded to them as DV files. After recording, the DV files can be played back on a PC by connecting the hard disk drives to it, as well as on the Anycast Station system. In addition, the Anycast Station system has the capability to create an EDL (Edit Decision List) based on its switching information, which allows users to edit DV files on a PC very efficiently.

Multi-Camera Recording

Streaming Encoder and Streaming Server – Live and On-demand Video Streaming

The Anycast Station system provides a built-in Streaming Encoder and Streaming Server as a standard feature for live and on-demand video streaming. This function allows the high-quality program output of the Anycast Station system to be streamed in real-time – with minimum degradation and through very simple procedures – for distribution over the Internet, LANs, or leased lines. When the number of clients is relatively small, the built-in Streaming Server function allows the streamed video to be distributed right from the Anycast Station system without the need for an external streaming server connection. Since the built-in Streaming Encoder also allows connection to external streaming servers, the live event can be widely distributed to hundreds or even thousands of viewers.

The Anycast Station system can also store internally encoded video files on its own hard disk drive and stream them as video-on-demand. This allows a relatively small number of clients to connect directly to the Anycast Station and view video files when they wish. In addition, the encoded video files can also be exported via Memory Stick® Media or USB flash drive to an external server for full-fledged on-demand video streaming to a larger number of clients.

*Go to www.sony.com/AnycastStation to contact the nearest certified Anycast Station system demo artist.*
## Type of Input Signals

<table>
<thead>
<tr>
<th></th>
<th>SD input</th>
<th>HD input</th>
<th>RGB input</th>
<th>CG</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:3 mode</td>
<td>4:3</td>
<td>16:9</td>
<td>XGA/SXGA</td>
<td>4:3/5:4</td>
</tr>
<tr>
<td>16:9 mode</td>
<td>16:9</td>
<td>16:9</td>
<td>16:9</td>
<td>16:9/16:10</td>
</tr>
<tr>
<td>Wide screen</td>
<td>16:9</td>
<td>16:9</td>
<td>16:9</td>
<td>16:9</td>
</tr>
<tr>
<td>Center</td>
<td>16:9</td>
<td>16:9</td>
<td>16:9</td>
<td>16:9</td>
</tr>
</tbody>
</table>

## Signals from PGM Output Connectors

<table>
<thead>
<tr>
<th></th>
<th>SD output</th>
<th>HD output</th>
<th>RGB output</th>
<th>PGM recording to external hard disk drives</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:3 mode</td>
<td>4:3</td>
<td>Black &amp; silent signal</td>
<td>4:3</td>
<td>4:3</td>
</tr>
<tr>
<td>16:9 mode</td>
<td>16:9</td>
<td>Black &amp; silent signal</td>
<td>XGA/SXGA</td>
<td>16:9 squeeze</td>
</tr>
<tr>
<td>Wide screen</td>
<td>16:9</td>
<td>16:9</td>
<td>WXGA</td>
<td>16:9</td>
</tr>
<tr>
<td>Center</td>
<td>16:9</td>
<td>16:9</td>
<td>WXGA</td>
<td>16:9</td>
</tr>
<tr>
<td>Composite, S-Video</td>
<td>16:9</td>
<td>XGA/SXGA</td>
<td>WXGA</td>
<td>PGM recording to external hard disk drives is unavailable</td>
</tr>
<tr>
<td>16:9 squeeze</td>
<td>16:9</td>
<td>16:9</td>
<td>WXGA</td>
<td>16:9</td>
</tr>
<tr>
<td>No signal for DV SDI</td>
<td>16:9</td>
<td>XGA/SXGA</td>
<td>WXGA</td>
<td>16:9</td>
</tr>
<tr>
<td>Black &amp; silent signal</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*1 Output from the built-in composite or S-Video output connector, the SD video interface module (BKAW570) or serial digital interface module (BKAW580).
*2 Output from the HD Analog Component module (BKAW560) or HD SD1 module (BKAW590).
*3 Output from the built-in RGB output connector.
A range of features make the Anycast Station system suitable for virtually limitless applications. The following are typical examples.

Example: Large projection application

The Anycast Station system is a convenient live content creation system that allows easy integration of PC images, such as Microsoft PowerPoint® slides and Excel® spreadsheets, into live video programming. The Anycast Station system is designed so that PC image quality and/or video quality are not degraded during source switching, keeping the final program output quality at its best. Since image quality is important when displaying presentations on large projection systems, the Anycast Station system serves as a powerful tool in such applications. The preview monitor on the LCD screen further assists in selecting the next source to be put on screen, allowing for a very smooth, seamless presentation.

What’s more, by preparing video clips to be used in the presentation on third-party hard disk drives, operation of the entire presentation becomes much smoother, especially compared to using conventional tape-based playback devices. And, of course, using the built-in streaming capability or signing up with a streaming service provider allows the impressive screen projection to be distributed across the web, delivering the message wherever desired.

- Church production
- Product promotion
- Collegiate sports video production
- Corporate videos
- Event staging
- Live stages/music clip creation
- Conferences/seminars
- Distance learning
- Cable access channels
<table>
<thead>
<tr>
<th>Optional Accessories</th>
<th>Dimensions</th>
<th>SPECIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BKAW-550 PC Video Interface Module</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BKAW-580 Serial Digital Interface Module</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC-AWSP 500GB/800GB</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC-AWSP 1TB/2TB</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**FUNCTIONS**

- **Functions Switch**
  - Switches to 33 or 12 scenes
  - Internal 8 M scenes

- **Input Control**
  - Input: 1-2
  - Output: 1-2

- **Key Source**
  - Scene: 1-12
  - Scene: 1-12
  - Logo: Internal Still Picture

- **Configuration**
  - Scene: 1-12
  - Scene: 1-12

- **HD SDI Module**
  - BKAW-550
  - BKAW-580

- **Video Switcher**
  - Audio-follow-video
  - Pan
  - Compressor: 2:1
  - EQ: 3 Band Parametric Equalizer
  - Input Trim: -15dB to +15dB

- **LOGO**
  - Internal Still Picture
  - Luminance Key
  - Alpha Channel

- **DSK**
  - Luminance Key
  - Alpha Channel

- **Input Signals**
  - HD/SD SDI
  - HDMI
  - YPBPR

- **Output Signals**
  - PGM (Stereo)
  - MIX (Stereo)
  - AUX1
  - AUX2

- **Resolution**
  - 4:3 / 16:9

- **Pan & Tilt**
  - 1 M/E + 1 Keyer + DSK + LOGO
  - 6 Primary inputs and 1 Internal Still Picture

- **Objects**
  - Logos
  - Text
  - Line
  - Background Color

- **Memory Stick/USB flash memory device**
  - Media or USB flash memory device

- **Saving/Loading**
  - Save/Load

- **Operating Instructions**
  - Recording Source
  - Recording Format
  - Codec

- **Video Signals**
  - NTSC
  - PAL

- **Video Outputs**
  - Composite
  - S-Video
  - RGB

- **Audio Signals**
  - Balanced audio signals on analog inputs 1-2
  - Unbalanced audio signals on analog inputs 1-2

- **Audio Levels**
  - Peak: +4 dBu
  - Reference Level: -10 dBu

- **Audio-IF**
  - Audio-IF: SBP2

- **Audio Outputs**
  - Mix Out
  - Headphone
  - Visca Out
  - Remote
  - RGB (GUI)
  - USB

- **Audio Parameters**
  - Dynamic Range
  - THD (LINE -10dBu 1kHz)
  - S/N Ratio
  - Frequency Response

- **Changing/Recording**
  - Changing
  - Recording
  - Dynamic Range
  - THD (LINE -10dBu 1kHz)
  - S/N Ratio
  - Frequency Response

- **Input Format**
  - AVI (DV-AVI)

- **Client Number**
  - 34, 50, 150kbps: Up to 20 / 34kbps(56kbps) / 450kbps(900kbps) / 700kbps(1400kbps)

- **Frame Rate**
  - 15fps (Typical) **

- **Video Compression**
  - Real Video 9, Real Audio 8

- **Bit Rate (Video+Audio)**
  - 34kbps(56kbps) / 50kbps(64kbps) / 150kbps(180kbps) / 44.1kHz / 96kHz

- **Codec**
  - JPEG, H.264, Real Video 9, Real Audio 8

- **Audio-IF**
  - IEEE 1394 6pin x 4

- **Video-IF**
  - HDMI (1.0a)
  - HD-15 (D-Sub 15 pin)

- **Hard Disk Drive**
  - HDD IF: SBP2
  - Memory Stick

- **Video-IF**
  - SDI OUT
  - SDI IN

- **Video Signals**
  - HD-SDI
  - 1080 50i / 59.94i, 720 50PsF / 59.94PsF

- **Video-IF**
  - Component: 2.1

- **Video Compression**
  - Real Video 9, Real Audio 8

- **Audio Levels**
  - TRS Type (Balanced) x 4
  - TRS Type (Balanced) x 4

- **Video Outputs**
  - Composite
  - S-Video
  - RGB

- **Video Compression**
  - DV IN/OUT

- **Audio Levels**
  - 0.1% or less

- **Video-IF**
  - NTSC
  - PAL

- **Video Compression**
  - 90 dB or more

<table>
<thead>
<tr>
<th>SPECIFICATIONS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>C: 0.70V, Pb &amp; Pr: +/-0.35V</td>
<td>Sync on Y</td>
</tr>
<tr>
<td>0.3 Vp-p at burst, 75</td>
<td></td>
</tr>
<tr>
<td>IEEE 1394 S400 6pin Type x 2</td>
<td>Audio: SMPTE 299M (48kHz, 20bit, 1/2CH)</td>
</tr>
<tr>
<td>50p / 59.94p</td>
<td></td>
</tr>
<tr>
<td>160 W</td>
<td></td>
</tr>
<tr>
<td>42 to 104 ˚F (5 to 40 ˚C)</td>
<td></td>
</tr>
<tr>
<td>AC 100-240 V , 50/60 Hz</td>
<td></td>
</tr>
<tr>
<td>SXGA 75Hz (VESA DMT1280x1024 75Hz) Input Only</td>
<td></td>
</tr>
<tr>
<td>WXGA 60 Hz (VESA DMT1280x768 60Hz)</td>
<td></td>
</tr>
<tr>
<td>1280x960 RGB 8 bit</td>
<td></td>
</tr>
<tr>
<td>3 3/4 (93)</td>
<td>11</td>
</tr>
<tr>
<td>16 3/4 (424)</td>
<td></td>
</tr>
</tbody>
</table>
### Optional Accessories
- BKAW-580 Serial Digital Interface Module
- BKAW-590 HD SDI Module
- BKAW-550 PC Video Interface Module
- LC-AWSF Soft Carrying Case

### Dimensions

<table>
<thead>
<tr>
<th>Component</th>
<th>Width</th>
<th>Height</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>PGM OUT</td>
<td>4 1/2</td>
<td>14</td>
<td>3 3/4</td>
</tr>
<tr>
<td>HDSDI OUT***</td>
<td>4 1/2</td>
<td>14</td>
<td>3 3/4</td>
</tr>
</tbody>
</table>

### SPECIFICATIONS

#### Video
- **Input:**
  - HDSDI
  - 85 keys + Pointer
- **Output:**
  - HDSDI OUT***
  - Y PB PR IN
  - RGB
- **Signal:**
  - TP & U, 1/4": D-Sub Shrink 15pin Type (Female) / Analog Component 1080 50i / 59.94i , 720 50PsF / 59.94PsF

#### Audio
- **Input:**
  - Audio: Inputs(Stereo) / PGM Audio(Stereo)
  - Video: SD Video Inputs / PGM
- **Output:**
  - AVI (DV-AVI)
  -DV

#### Power Supply
- **Input:**
  - AC 90-260 V , 47/63 Hz
  - Powered from AWS-G500/AWS-G500HD: +5 V

#### Operating Temperature
- **Range:**
  - 32°F to 104°F (0°C to 40°C)

### Text Typing Tool
- **Features:**
  - Bold, Italic, Underline
  - Text, Line, Background Color
  - NEXT Button / Pointer / Jog Shuttle Dial
  - Items: Pan / Tilt / Zoom / Focus / Iris
  - Memory: 6
  - Up to 6 Cameras
  - Recommended Camera: BRC-300 / EVI-D100 / EVI-D70 / BRC-H700

### Streaming Server
- **Codec:**
  - Helix
- **Performance:**
  - 225kbps(256kbps) / 350kbps(700kbps) / 34kbps(56kbps) / 50kbps(64kbps) / 150kbps(180kbps) / 44.1kHz
  - 48kHz x128 over sampling (A/D)48kHz/32kHz(DV IN)

### Remote Control
- **Connectors:**
  - USB
  - NETWORK
  - RJ-45 Type x 1, 10 base-T/100 base-TX
  - D-Sub 9 pin (Male), RS-232C
  - D-Sub Shrink 15 pin (Female), 1280 x 800 60 Hz
  - 1/4" Stereo Phone Jack Type x 1

### Video Outputs
- **Monitor:**
  - SXGA 60Hz (VESA DMT1280x1024 60Hz)
  - XGA 75Hz (VESA DMT1024x768 75Hz)
  - XGA 60Hz (VESA DMT1024x768 60Hz)

### Video Inputs
- **Number of Inputs:**
  - 6 Primary inputs and 1 Internal Still Picture

### Audio Performance
- **THD (LINE -10dBu 1kHz):**
  - 90 dB or more

### Video Performance
- **Quantization and Sampling:**
  - SMPTE 292M   1080 50i / 59.94i , 720 50PsF / 59.94PsF

### General
- **Frequency Response:**
  - 48kHz x128 over sampling (A/D)48kHz/32kHz(DV IN)
- **Channel Quality:**
  - 48kHz x128 over sampling (A/D)48kHz/32kHz(DV IN)
- **Memory Stick™ Slot:**
  - Ref. Level: +4 dBu, -20 dBu, -44 dBu
- **Dimensions:**
  - 4 1/2 x 14 x 3 3/4 inches (114 x 354 x 93 mm)
- **Weight:**
  - 85 lbs (38.5 kg)
The BRC-H700 can be remotely controlled (pan/tilt/zoom) by the Anycast Station™ system (AWS-G500HD), and up to six presets can be registered. The BRC-H700 camera, along with the portable Anycast Station system, the ultra portable business projector VPL-CS21/CX21, VAIO® Series PC, and the UWP Series Wireless Microphones enable you to run high quality live presentations virtually hassle-free, with less people.

Sony Product Operations Support Center
1-800-883-6817

www.sony.com/AnycastStation
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