SONY

AWS-750

Anycast Touch portable live
content producer

Overview

Ultra-portable and easy-to-use all-in-one live production solution

The AWS-750 Anycast Touch is a compact, affordable, all-in-one live production solution with an intuitive touch panel operation. Anycast Touch instantly makes live production accessible to anyone who requires live broadcasting or webcasting. The portable system is designed to be incredibly easy to use. With no previous live production experience required, it is suitable for a wide range of customers, such as educational and government institutions, corporate organisations and event management companies. And as you can expect from Sony, Anycast Touch offers incredible clear and detailed pictures for live production.

Multi-functional all-in-one solution

Anycast Touch eliminates the need for any of the hardware typically required for professional live streaming. It includes a video switcher, streaming media encoder, recorder, audio mixer, titler, remote camera controller and supports multiple monitors. The Anycast Touch allows for seamless video mixing between a number of video sources in a variety of formats. You can record up to ten hours of video and audio on the internal SSD, create and add graphics elements to the image, control connected remote PTZ (pan, tilt, and zoom) cameras, perform multiple

effects and wipes to enhance the production and instant streaming of media over a WAN or the Internet. Additionally, a fully functioned six channel audio mixer is provided for a separate audio mix.

Intuitive double touch-screen operation

The Anycast Touch enables intuitive, easy operation, and eliminates the cumbersome setup and signal adjustment process typically required when connecting various devices. Users can also store the setup information of all attached video sources, such as the camera input, title data, and transition effects. Additionally, scene lists can be prepared beforehand, allowing users to simply switch scenes during an event with just a single tap.

Features

Intuitive double touch-screen operation
The AWS-750 Anycast Touch has a very simple and easy-to-use operational style with an intuitive double touch-screen interface that requires no technical background to operate.

Stylish and ultra portable design
The Anycast Touch is stylish, compactand ultra-portable. Taking it from one location to the other is easy. Just pack up and go. The all-in-one style system displays sources for input and streaming, for simple operation.

All-in-one solution
Anycast Touch eliminates the need for any of the hardware typically required for professional live streaming. It includes a video switcher, streaming media encoder, video recorder, audio mixer, clip player, remote camera controller and titler that supports ten languages.

Multiple video switching

The Anycast Touch features 6 video inputs and 5 video outputs with 1920 x 1080 10-bit processing and 1080i/59.94, 50, 480i/59.94 and 576i/50 operation. 720p input/output is also available in HD mode. It permits seamless switching between camera, PC & Video sources (including audio).

Stereo audio mixing
The system allows stereo mixing by touch panel fader with limiter/comp/EQ and audio delay adjustments. It features 6 stereo audio inputs and 3 stereo audio outputs.

Instant streaming function
The system allows stable real time streaming over the Internet, LAN, and other dedicated lines.

Auto Tracking function with selected Sony PTZ robotic cameras
You can automatically track an object or person within a frame in a live production setting with a Sony PTZ robotic camera controlled through the AWS-750. You can set a number of parameters for tracking, including the pan/tilt settings and size and position within the frame. Auto Tracking supports the following Sony HD PTZ robotics cameras:BRC-X1000, BRC-H800, BRC-H900, SRG-300H, SRG-300SE and SRG-120DH.

Remote camera support
The AWS-750 enables a large number of Sony PTZ robotic cameras to be manually controlled.

Internal recorder
The system records PGM output in the built-in 192 GB capacity solid state drive with up to 10 hours capacity. Recorded files can be exported and edited by various types of non-linear editor.

Add still text to any picture, or use wipe and/or dissolve effects
Operators can generate texts to overlay onto the programme

output with the touch-screen keyboard. 10 languages are available for the text-typing tool.

Tally support
Tally indicators in the GUI to make it easier to keep visual control of camera feeds and inputs. The option is selectable within the GUI menu. Tally support is possible via VISCA and GPI interfaces for both input and output indicators to and from cameras.

Resizable SD In/Out
There are a number of resize input/output options for SD video. These include 16:9 Wide Zoom input resize (for both normal SD and squeezed SD images) and Squeeze or Edge Crop output resize.

Import title as template and text overlay
You can create flexible titles graphics and overlay them on your content, as well as turn those titles into a template for storage and use on other content. It is possible to save up to 999 titles.

Specifications

General	
Power Requirements	DC 19.5V, 7.5A
Operating Temperature	5°C to 35°C 42°F to 95°F
Dimensions (W x H x D) *1	415 x 102 x 336 mm 16 3/8 x 4 1/64 x 13 ¼ inches
Mass	Approx. 6.7 kg 15 lb 14 oz

Video Formats	1080/59.94i Hz, 480/59.94i Hz, 1080/50i Hz, 576/50i Hz

Video Signals Performance

Video Process	10 bit, Y: 74.25 MHz, R-Y/B-Y: 37.125 MHz
SD Video Quantization and Sampling Frequency	8 bit, Y: 13.5 MHz, R-Y/B-Y: 6.75 MHz
REF OUT Frequency Accuracy	Less than 50 ppm

Audio Signals Performance

Sampling Frequency	48 kHz (Audio Mixer)
Quantization	24 bit (A/D, D/A), 40 bit (DSP)
Frequency Response (MIC/LINE)	20 Hz to 20 kHz +0.5 dB to -2 dB
THD (MIC/LINE -20dBu 1kHz)	0.1% or less
Dynamic Range	90 dB or more

Streaming Performance

Format (Codec) / Protocol	Flash (H.264, AAC) / RTMP

Recording

Recording Format	XDCAMTM, MPEG HD (mxf.)
Recording Source	PGM or AUX
Recording Media	Internal mSATA (192 GB)

Video Switcher

Configuration	Input : 6 Primary Video inputs 1 M/E + 4 Keyer (2 x PinP, 2 x Title) + 2 Logo Output : PGM Output, PGM/AUX Output
Key Type	Luminance Key / Alfa Channel / Chroma key
Internal Media Playback	Data can be imported from a USB flash memory device.

Audio Mixer

Configuration	Input: 6 Analog Monaural / 6 Stereo Embedded Audio inputs

Oscillator	100 Hz, 1 kHz, 10 kHz

Camera Control

Supported camera	BRC series camera (VISCA protocol)

Text Typing Tool

Input Language	10 languages English, Chinese(Simplified), Chinese(Traditional), Japanese, Korean, German, Spanish, Italian, Portuguese, French
Keyboard	Built-in software keyboard

Video Signals (Inputs)

HD/SD SDI	BNC (x4), 75 Ω, 1.5 Gbps, 270 Mbps SMPTE 292M, SMPTE 259M-C
Composite	Phono jack (x2) VIDEO: 1.0 Vp-p 75 Ω, negative sync
RGB	D-Sub Shrink 15-pin (x2) (Female)
HDMI	HDMI (Type A) (x2)

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Video Signals (Outputs)

HD/SD SDI	BNC (x2) 75 Ω, 1.5 Gbps, 270 Mbps SMPTE 292M, SMPTE 259M-C
HD SDI	BNC (x1) 75 Ω, 1.5 Gbps, SMPTE 292M
RGB	D-Sub Shrink 15-pin (x1) (Female)
HDMI	HDMI (Type A) (x1)
REF Out	BNC (x1) Analog black burst signal NTSC: 0.286 Vp-p ±2 dB, 75 Ω, negative sync PAL: 0.3 Vp-p ±2 dB, 75 Ω, negative sync

Audio Signals (Inputs)

Analog Inputs 1-4	XLR/TRS Combo Type (x4) Ref. Level: +4 dBu, -20 dBu, -44 dBu Input impedance : 3.3 kΩ or more Mic. Power: +48 V On/Off
Analog Inputs 5-6	Phono jack (x2) Reference input level: -10 dBu Input impedance: 10 kΩ or more

Audio Signals (Outputs)

PGM Out	TRS phone (x2) Reference level: +4 dBu (10 kΩ load) Max. output level: +24 dBu Output impedance: 150 Ω
MIX Out	Phono jack (x2) Reference level: -10 dBu (10 kΩ load) Max. output level: +10 dBu Output impedance: 470 Ω
HEADPHONES	1/4" Stereo Phone Jack Type (x1) Max. power: 70 mW (x2) Impedance: 47 Ω

Other Interfaces

LAN	RJ-45 (x2), 100BASE-TX, 1000BASE-T
USB3.0	USB (Type A) (x4), USB 3.0 equivalent
Panel	(i)15.6-inch High Brightness LCD 1920 x 1080 60 Hz
Speaker	Built-In Speaker (x2) Size: 20 mm in diameter

Supplied Accessories

Supplied Accessories	User's Guide (1) AC Adapter (Operating Voltage 100 V - 240 V, 2.5 A, 50 / 60 Hz) (1)
*1	The values for dimensions are approximate.

Related products

BRC-H900

Full HD robotic studio camera with 1/2-type Exmor 3CMOS sensor and 14x optical zoom

SRG-300H

Full HD remotely operated PTZ camera

PVM-A250 v2.0

25-inch TRIMASTER EL™ OLED high grade picture monitor

SRG-300SE

Full HD remotely controlled PTZ colour video camera with IP streaming (colour availability may vary by country)

SRG-120DH

Full HD remotely operated PTZ camera
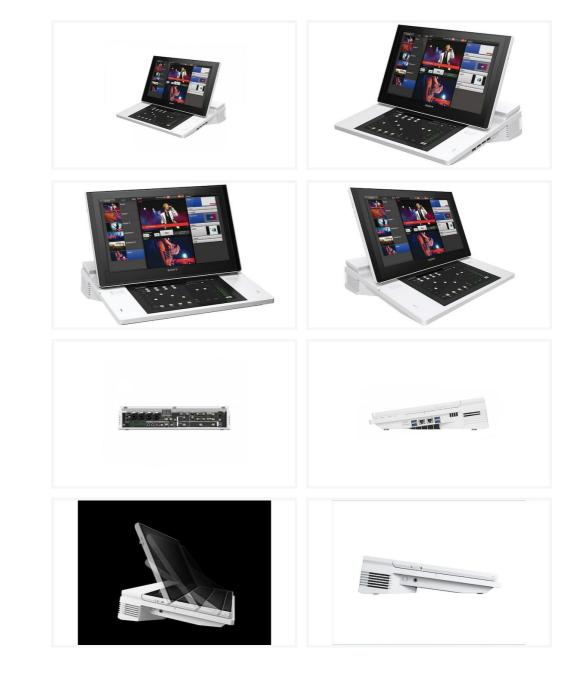
BRC-X1000

Premium 4K30P PTZ Camera with 12x optical zoom and uncompromising broadcast picture quality

BRC-H800

Premium Full HD PTZ Camera with 12x optical zoom and uncompromising broadcast picture quality

Gallery