



**AV production unit that enables easy creation of AV in situations where there are a limited number of operators available, such as university sports, live streaming, and conference video production**

## AV-HLC100

Combining 1ME switcher, PTZ camera controller, and audio mixer functions in a single device, the AV-HLC100 makes it possible for one person to operate everything from PTZ camera shooting to streaming transmission.

### Key Features

1ME Switcher, PTZ Camera Controller & Audio Mixer - enable one person to operate everything from PTZ camera shooting to streaming transmission

Output format support includes 1080/59,94p and 50p; cross conversion (between 1.080 and 720) function also available

Create your own great multimedia content for live events and video streaming

Supported network protocol: NDITM& RTMP (direct transmission to live streaming services such as YouTube Live)

3D joystick with pan, tilt and zoom, enables single-handed operation



## AV-HLC100

<https://eu.connect.panasonic.com/gb/en/products/broadcast-proav/av-hlc100>

<b>Power Supply</b>	DC 19 V (AC adaptor provided)
<b>Power Consumption</b>	110 W
<b>Ambient Operating Temperature</b>	0 °C to 40 °C (32°F to 104°F)
<b>Humidity</b>	20 % to 80 % (no condensation)
<b>Mass</b>	Approx. 6.05 kg (13.34 lbs)
<b>Dimensions (W x H x D)</b>	427 mm x 93 mm x 278 mm (16.8 inches x 3.67 inches x 10.96 inches) (excluding protrusions)
<b>Number of ME</b>	1 ME
<b>Number of switcher channel</b>	10 <ul style="list-style-type: none"> <li>• 8 External (selected from among 3G-SDI x 4, 3G-SDI x 3 + HDMI x 1, NDI sources x 8)</li> <li>• 2 Internal (CLIP x 1, STILL x 1)</li> </ul>
<b>Number of Keyer</b>	2 Keyer (PinP / Title)
<b>System Video Format</b>	1080/59.94p*1 *2, 1080/59.94i, 1080/29.97PsF, 1080/23.98p, 1080/50p*1 *2, 1080/50i, 1080/25PsF 720/59.94p, 720/50p, 720/29.97p, 720/25p
<b>Video Input</b>	SDI x 4 or SDI x 3 + HDMI x 1*1 *3
<b>Network Input Sources</b>	8 <ul style="list-style-type: none"> <li>• NDI input from Panasonic PTZ Camera that supports NDI   HX and NDI compatible equipment</li> <li>• IP input from Skype TX compatible PC</li> </ul>
<b>Audio Input</b>	15 <ul style="list-style-type: none"> <li>• 4-channel SDI/HDMI embedded audio x 4</li> <li>• 4-channel NDI embedded audio x 8</li> <li>• 6.35 mm balanced line x 2</li> <li>• 3.5 mm diameter, stereo mini jack x 1</li> </ul>
<b>Video Output</b>	4 <ul style="list-style-type: none"> <li>• BNC x 1 3G-SDI (PGM)*1</li> <li>• BNC x 1 3G-SDI (selectable from PGM / PVW / AUX)*1</li> <li>• HDMI x 1 or Display Port (for GUI)*4 x 1</li> <li>• Network output x 1</li> </ul>
<b>Network Video Output</b>	1 <ul style="list-style-type: none"> <li>selectable from MIX (PGM or PVW) / AUX</li> <li>• NDI output</li> <li>• RTMP format streaming output*5</li> </ul>
<b>Audio Output</b>	6 <ul style="list-style-type: none"> <li>• SDI embedded audio x 2</li> <li>• 6.35 mm balanced line x 2</li> <li>• 3.5 mm diameter, stereo mini jack x 1</li> <li>• NDI embedded audio x 1</li> </ul>
<b>Effects and Transitions</b>	Wipe / Mix / Cut <ul style="list-style-type: none"> <li>• Background Video</li> <li>• PinP</li> <li>• Title</li> </ul>
<b>Audio Mixing</b>	<ul style="list-style-type: none"> <li>• 4 ch. Master (Program) mix</li> <li>• 12 x faders: 1 for each of 8 external audio inputs, plus 1 x internal Clips player and 1 x Skype TX Talkback input; plus 1 x Master output and 1 x Headphones</li> <li>• Plus 1 x separate audio fader for video Streaming output</li> <li>• Seven-band equalizer and stereo compressor / limiter per input and output, with per-input audio delay control</li> </ul>
<b>Video Clip Memory</b>	DDR x 1 ch*6
<b>Still Store Memory</b>	DDR x 1 ch*6

<b>Title Buffer</b>	1 Title Buffer (displays 1 of 8 Buffer presets)
<b>Reference Input</b>	Internal only
<b>PTZ Camera Control (Via IP)</b>	<p>Number of connected cameras: Up to 8 cameras</p> <p>Pan / Tilt / ZOOM / FOCUS control: 3 axis joystick</p> <p>(ZOOM / FOCUS is switched by pressing the upper button)</p> <p>ZOOM control: Independent rocker switch</p> <p>IRIS control: independent IRIS knob, pressed AUTO / manual switching</p> <p>FOCUS control: Independent FOCUS knob, pressed AUTO / manual switching</p> <p>Preset control: store / recall, up to 100 positions</p> <p>OSD menu control: OSD button*7</p> <p>White balance control: GUI screen Camera menu or OSD screen</p> <p>(Auto / PST A / PST B / Execute)*7</p> <p>CAM / BAR selection: GUI screen Camera menu or OSD screen*7</p>
<b>Tally Output</b>	DB-15 Tally port
<b>Network Connector</b>	RJ-45 x 2 1000BASE-T / 100BASE-TX / 10BASE-TX
<b>USB Host I/F</b>	USB3.0 x 4
<b>Accessory</b>	AC adaptor, Power cable, keyboard, mouse
<b>Note</b>	<p>*1: 3G-SDI corresponds to Level-A only.</p> <p>*2: The 1080/59.94p and 1080/50p formats are not supported for HDMI input.</p> <p>*3: You cannot use the SDI input 1 and the HDMI connector at the same time.</p> <p>*4: HDMI and Display port can not be used simultaneously.</p> <p>*5: Only available when plug-in provided by NewTek is installed.</p> <p>*6: See "Supported Formats" on page 6 for details.</p> <p>*7: OSD function is available for Panasonic PTZ camera of SDI and HDMI output.</p> <p>It is not available for those of NDI   HX output.</p>