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<th>MODEL</th>
<th>HD w/HDMI</th>
<th>HD w/SDI</th>
<th>HD PROFESSIONAL</th>
<th>4K PROFESSIONAL</th>
<th>PRO FULL-HD</th>
<th>4K PERFORMANCE</th>
<th>OUTDOOR</th>
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**Sensor**

- 1/2.7" MOS
- 1/2.3" MOS
- 1/2.3" MOS
- 1/2.3" MOS
- 1/2.8" MOS
- 1/2.8" MOS

**Gain**

- 0.35 lx
- 0.35 lx
- 0.35 lx
- 0.35 lx
- 0.35 lx
- 0.35 lx

**Digital Zoom**

- Tripod, Wall, Ceiling
- Tripod, Wall, Ceiling
- Tripod, Wall, Ceiling
- Tripod, Wall, Ceiling
- Wall, Ceiling
- Wall, Ceiling

**Mount Position**

- Invertible: Ceiling or Desktop
- Invertible: Ceiling or Desktop
- Invertible: Ceiling or Desktop
- Invertible: Ceiling or Desktop
- Invertible: Ceiling or Desktop
- Invertible: Ceiling or Desktop

**PTZ**

- Pan Tilt Range: ±175 degrees ±175 degrees ±175 degrees ±175 degrees ±175 degrees ±175 degrees
- Operation Noise: 0.015 s (with upgrade) 0.015 s (with upgrade) 0.015 s (with upgrade)
- Control Protocol: web (PC/Mac/Android) Browser (PC/Mac/Android)
- Maximum Gain: 0 dB - 48 dB 0 dB - 48 dB 0 dB - 48 dB 0 dB - 48 dB 0 dB - 48 dB 0 dB - 48 dB
- Maximum Zoom: 30x 30x 30x 30x 30x 30x
- Maximum Tilt: 60°(-90°) 60°(-90°) 60°(-90°) 60°(-90°) 60°(-90°) 60°(-90°)
- Maximum Pan: 37.0° (W) - 1.18° (T) 37.0° (W) - 1.18° (T) 37.0° (W) - 1.18° (T) 37.0° (W) - 1.18° (T) 37.0° (W) - 1.18° (T) 37.0° (W) - 1.18° (T)
- Maximum Tilt: 68.7° (W) - 2.42° (T) 68.7° (W) - 2.42° (T) 68.7° (W) - 2.42° (T) 68.7° (W) - 2.42° (T) 68.7° (W) - 2.42° (T) 68.7° (W) - 2.42° (T)
- Weight: 19.8 lbs 19.8 lbs 19.8 lbs 19.8 lbs 19.8 lbs 19.8 lbs
- Tripod: 1/2.86" 3MOS 1/2.86" 3MOS 1/2.86" 3MOS 1/2.86" 3MOS 1/2.86" 3MOS 1/2.86" 3MOS
- Model: D2HBMVP570 D2HBMVP540 D2HBMVP540 D2HBMVP540 D2HBMVP540 D2HBMVP540
- Number of Presets: Up to 100 Up to 100 Up to 100 Up to 100 Up to 100 Up to 100
- Interpretation: Invertible: Ceiling or Desktop Invertible: Ceiling or Desktop Invertible: Ceiling or Desktop Invertible: Ceiling or Desktop Invertible: Ceiling or Desktop Invertible: Ceiling or Desktop
- Viewing Distance: 1/4, 1/16, 1/64 1/4, 1/16, 1/64 1/4, 1/16, 1/64 1/4, 1/16, 1/64 1/4, 1/16, 1/64 1/4, 1/16, 1/64
- Resolution: Full HD Full HD Full HD Full HD Full HD Full HD
- Video Format: 720p 720p 720p 720p 720p 720p
- Channel: 1/4, 1/16, 1/64 1/4, 1/16, 1/64 1/4, 1/16, 1/64 1/4, 1/16, 1/64 1/4, 1/16, 1/64 1/4, 1/16, 1/64
- Decoding: 1/4, 1/16, 1/64 1/4, 1/16, 1/64 1/4, 1/16, 1/64 1/4, 1/16, 1/64 1/4, 1/16, 1/64 1/4, 1/16, 1/64
- Input: 1/4, 1/16, 1/64 1/4, 1/16, 1/64 1/4, 1/16, 1/64 1/4, 1/16, 1/64 1/4, 1/16, 1/64 1/4, 1/16, 1/64
- Output: 1/4, 1/16, 1/64 1/4, 1/16, 1/64 1/4, 1/16, 1/64 1/4, 1/16, 1/64 1/4, 1/16, 1/64 1/4, 1/16, 1/64
- Power: 1/4, 1/16, 1/64 1/4, 1/16, 1/64 1/4, 1/16, 1/64 1/4, 1/16, 1/64 1/4, 1/16, 1/64 1/4, 1/16, 1/64

**9.65 lbs** **11.8 lbs** **12.8 lbs** **12.8 lbs** **12.8 lbs** **12.8 lbs**

**$2,290** **$2,290** **$3,490** **$3,490** **$3,490** **$3,490**

**$2,290** **$2,290** **$3,490** **$3,490** **$3,490** **$3,490**

**$3,990** **$3,990** **$5,990** **$5,990** **$5,990** **$5,990**

**$4,250** **$4,250** **$5,850** **$5,850** **$5,850** **$5,850**

**$6,150** **$6,150** **$7,555** **$7,555** **$7,295** **$7,295**
**2019 PRO PTZ CAMERA CONTROL LINEUP**

**NEW! FULL-SIZE CONTROLLER**

**AW-RP150**

Control up to 200 PRO PTZ cameras with this full-size camera controller. Quickly setup and access camera presets and complex image controls, and easily control your cameras with a top-of-the-line joystick, ensuring smooth camera movements.

- LCD Touchscreen with Touch Focus Functionality
- Camera Monitoring via 3G-SDI
- Industry Approved Ergonomic Design
- 3D Joystick for Single-Handed Operation
- Simplified PTZ Camera Presets & Tracing Memory
- Streamlined Multicamera Deployment
- Integrated 4K Crank Control (for AW-UE150)

**NEW! COMPACT CONTROLLER**

**AW-RP50**

Control up to 100 professional PTZ cameras via IP using this compact camera controller. Easily setup and access camera presets and image controls via an intuitive button layout.

- Small Desktop Footprint
- Control up to 100 PTZ cameras
- Simplified PTZ Camera Presets & Tracing Memory
- Precision Joystick for accurate pan/tilt control
- Integrated Zoom Rocker Switch and Focus knob

**NEW UPDATES! WINDOWS SOFTWARE**

**PTZ CONTROL CENTER**

Use the free PTZ Control Center software to set up and control your camera on a Windows laptop or desktop PC. With this software, you can utilize your mouse, your touch-screen, or your choice of compatible joysticks or game controllers for camera control.

- Software application that allows for remote operation of Panasonic Professional PTZ cameras via your PC, allowing for control via a standard keyboard/mouse, touchscreen, or a compatible USB joystick/game controller
- Allows for centralized management of multiple PTZ cameras
- Provides simultaneous control of multiple cameras, allowing adjustment of Focus, Iris, Gain, White Balance, Shutter & ND Filters
- Add up to 9 camera presets with thumbnails
- Works on Windows 7, Windows 8.1 & Windows 10

**NEW! iPad APP**

**LIVECTRL**

Use the LiveCTRL app on an iPad Pro to set-up, control and livestream up to 4 Panasonic PRO PTZ cameras. With this app, you can utilize your tablet to produce your entire show. The app is free to download and allows for full camera preview and control at its most basic tier, allowing controlling, switching and livestreaming of up to 4 cameras via an in-app purchase as you scale your production.

- Livestream directly to Youtube Live, Facebook and other custom streaming destinations
- Automatic PRO PTZ camera discovery, plus support for iOS devices as video or audio sources
- Synchronization engine ensures all 4 PRO PTZ IP camera streams are perfectly in sync
- Support for overlays, graphics, text, clips & stills

**NEW UPDATES! AUTO TRACKING SOFTWARE / SERVER**

**AW-SF100 / AW-SF200**

State-of-the-art auto tracking software option for Panasonic PRO PTZ remote cameras. Dramatically simplify your remote camera operation in locations such as classrooms, lecture halls, auditoriums, conference rooms and stage environments. Using a combination of tracking methods, including template matching, facial detection and deep learning, compatible Panasonic PRO PTZ cameras can be automated to keep track of speakers or lecturers without any human intervention. The software application allows for centralized management of multiple PTZ cameras.

- AW-SF100 (stand-alone software) / AW-SF200 (server)
- Deep Learning, Motion Detection & Facial Recognition
- White Balance, Shutter & ND Filters
- 3D Joystick for Single-Handed Operation
- 95° horizontal wide angle view

**WEB BROWSER**

When your camera is on the network, you can set up and control it via a web browser on a PC, Mac or mobile device such as an iPhone, iPad or Android device. This is a free yet powerful option for camera control and setup.

**REMOTE OPERATION PANEL**

**AK-HRP200 / AK-HRP1000 / AK-HRP100S**

Ideal for multi-camera shoots that incorporate Professional PTZ and non-PTZ cameras, these advanced remote control panels allow for accelerated fine-tuning of camera color and shading.

**AV-HL110 STREAMSTUDIO**

Not just a controller, but a full-featured all-in-one control, production & live streaming system, the AV-HL110 Stream Studio allows a mixed input of HDMI, SDI and NDI/HX PTZ camera sources (up to 8) for a complete live streaming solution.

- PTZ camera controller, audio mixer, titler, media player, and 1ME live streaming switcher
- Intuitive 3D joystick with pan, tilt, and zoom control
- Stream directly to Youtube Live, Facebook Live, Twitch, Vimeo, custom RTMP destinations & more

**NEW UPDATES! WINDOWS SOFTWARE**

**PTZ CAMERA VIRTUAL USB DRIVER**

With the free PTZ Virtual USB Driver software, you can convert select Panasonic Professional PTZ cameras on your network into super web cams.

**PTZ CAMERA VIRTUAL USB DRIVER**

**NEW! iPad APP & TOUCH ASSIST CAMERA**

**PTZ CNTRL APP + AW-HEA10**

This wide-angled camera accessory attaches directly to the bottom of select PRO PTZ cameras. It gives users an extended view of the full camera pan/tilt range, which can be monitored via the free iPad App. Just tap the area on the screen you would like the camera to pan/tilt to for quick and smooth on-air movements.

- 95° horizontal wide angle view
- HDMI output to use the HEA10 as an additional regular camera

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