Panasonic

AW-UE150AW [White Model]
AW-UE150AK [Black Model]

4K Integrated Camera — For Indoor Use

New Professional-use PTZ Camera:
New Standard for Video Expressiveness and Operational Versatility

>>> High-sensitivity 1.0-inch sensor enables high-quality 4K/60p video shooting.
The enhanced Optical Image Stabilizer (OIS) is implemented with state-of-the-art internal mechanisms for exceptionally smooth and natural camera operation.

>>> Supports wide-angle Lens (75.1° horizontal) with 20x optical zoom. Compatible with multiple IP transmission protocols including NDI® High Bandwidth and equipped with advanced features optimized for using together with studio cameras, enabling seamless and versatile operation in various system configurations.

>>> Equipped for versatile video production, including FreeD for seamless AR/VR integration, a cropping function to optimize system and operational efficiency, and built-in auto-tracking for flexible shooting.

4K PROFESSIONAL HDR

NDI® High Bandwidth
NDI® HX2 Supported

SRT ALLIANCE
SECURE RELIABLE TRANSPORT

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

Exceptional Performance for Capturing Immersive Moments

⟩ Large Sensor for High-quality Video Shooting

Featuring a large 1.0-inch MOS sensor, the AW-UE150AW/AK delivers high-sensitivity shooting with reduced noise. It supports 4K/60p[*1] output and is compatible with HDR (High Dynamic Range)[*2] to prevent blown-out highlights and blocked-up shadows, ensuring true-to-life image reproduction.

⟩ Advanced Internal Mechanisms for Smooth and Natural Camera Operation

The refined synchronization of pan, tilt, and zoom presets, along with the enhanced OIS that effectively minimize image shake during pan, tilt and zoom movement, ensures smooth and natural camera operation.

⟩ Optical Low-pass Filter for Superior Image Quality

An integrated optical low-pass filter minimizes luminance and color moiré commonly found when shooting monitors, displays and LED walls to deliver clearer visuals.

Flexible Adaptation to Diverse Environments

⟩ Wide-angle Lens (75.1° horizontal) with 20x Optical Zoom

In addition to the 20x optical zoom, "i.Zoom" feature allows 24x in 4K mode and 32x in HD mode, and is complemented by a 75.1° wide-angle horizontal field of view.

⟩ Compatible with Panasonic Remote Operation Panel

The new camera is compatible with Panasonic's AK-HRP1015GJ, AK-HRP1010GJ and AK-HRP250GJ Remote Operation Panels[*3] for studio-level operation and management.

⟩ Diverse IP Protocols Including NDI®[*4] and SRT

The AW-UE150AW/AK supports various IP protocols, including NDI® High Bandwidth and NDI® HX2 for transmitting high-quality video, plus SRT for reliable video transmission even under unstable network conditions with robust security.

Advanced Features for Expanded Creative Possibilities

⟩ Compatible with FreeD[*5] for AR/VR[*6] Systems

FreeD support enables easy connectivity with AR/VR systems for extra-flexible creativity.

⟩ Cropping Function

It is possible to crop-zoom and cut out video at the same time as outputting an entire video shot in 4K. The cropping position can be specified from a maximum of three locations and can be easily operated from the AW-RP150 Remote Camera Controller or web browser screen.

⟩ Compatible with V-Log

V-Log capability realizes a wide dynamic range and wide color gamut, ideal for professional color grading. Pairing with other Panasonic V-Log-enabled cameras ensures consistent and cohesive images across projects.

⟩ Other Key Features

- Three-color tally lamp (red, green & yellow)
- Built-in auto tracking for simplified operation
- Compatibility with various software, including Media Production Suite

• Rear View

• Specifications   * This specification is only a partial list, please check our website for details.

Comprehensive		
Power Requirements		DC12 V (10.8 V to 24.0 V)
PoE++		IEEE802.3 bt standard : DC42 V to 57 V (Software authentication (LLDP) is supported).
Current Consumption		4.0 A (XLR IN connector), 1.2 A (PoE++ power supply)
Mass		Approx. 4.3 kg (9.48 lbs) (Excluding mount bracket)
Dimensions (W x H x D)		213 mm x 267 mm x 219 mm 8-3/8 inches x 10-1/2 inches x 8-5/8 inches (excluding protrusions, cable cover,direct ceiling mount bracket)
Camera Unit		
Image Sensors		1-type 4K MOS×1
Effective Pixels		Approx 20,180,000 pixels
Lens		Motorized 20x optical zoom F2.8 to F4.5 f=8.8 mm (11/32 inches) to 176.0 mm (6-15/16 inches), 35 mm (1-3/8 inches) equivalent: 24.5 mm (31/32 inches) to 490.0 mm (19-9/32 inches)
Zoom Magnification		• Optical zoom: 20x • i.Zoom: UHD 24x, FHD 32x
Angle of View Range		Horizontal: 75.1°(wide) to 4.0°(tele) Vertical: 46.7°(wide) to 2.3°(tele) Diagonal: 82.8°(wide) to 4.6°(tele)
Horizontal Resolution		2,000 TV Lines Typ (center area)
Output Format (UHD/FHD SDI and Fiber)	4K	2160/59.94p, 2160/50p, 2160/29.97p (Native), 2160/25p (Native), 2160/24p (Native), 2160/23.98p (Native)
	HD	1080/59.94p, 1080/50p, 1080/29.97p (Native), 1080/25p (Native), 1080/24p (Native), 1080/23.98p (Native), 1080/59.94i, 1080/50i, 720/59.94p, 720/50p
Input		
Input Connector		G/L IN (BNC)[*7]
MIC/LINE input		MIC/LINE input compatible (SDI/HDMI/IP) AAC compatible (compatible with IP only) ø 3.5 mm stereo mini jack (unbalanced)
Output		
Video Output	HDMI	HDMI 2.0 connector, 4:2:2/10bit[*8]
	12G SDI OUT	SMPTE 2082-1 / SMPTE 2081-1 / SMPTE 424M / SMPTE 292M / 75 Ω(BNC×1)[*9]
	3G SDI OUT1 / 2	SMPTE 424M / SMPTE 292M / 75 Ω(BNC×1)[*9]
	SFP+	SFP+ standard[*10]
Input/Output		
Input/Output terminal	LAN	IP connector for IP control (RJ-45)
	RS422	CONTROL IN RS422A (RJ-45)
IP Streaming		
Image Streaming Mode		JPEG (MJPEG), H.264, H.265, NDI® HX2, NDI® High Bandwidth

*1: Output format is UHD (3840 x 2160) 59.94p. *2: Display color space does not fully encompass BT.2020. (color balance is shifted to match BT.2020 color gamut) *3: For more about cameras that connect to Panasonic remote operation panels, see Controller Compatible Models List PDF. *4: NDI® is a video connectivity technology and is registered as a trademark by Vizrt NDI AB in the United States and other countries. *5: A protocol that outputs camera tracking data for AR/VR systems. Camera pan, tilt, zoom and focus information required for uses such as AR/VR composition is output by the AW-UE150AW/AK. *6: AR : Augmented Reality, VR : Virtual Reality. *7: BBS (Black Burst Sync) and 3-value synchronization compatible. *8: HDCP and Viera Link are not supported. *9: Compatible with Level-A/Level-B. *10: The signal sent is the same as 12G SDI OUT.

For more information, please visit Panasonic web site

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