Panasonic
BUSINESS

AW-UE50W   AW-UE40W [White Model]
AW-UE50K   AW-UE40K [Black Model]

4K Integrated Camera | For Indoor Use

Provides hybrid online-offline environment. Standard models suitable for use in online classes and online briefing sessions.

Camera unit performance and functions that assure high-quality video streaming

Featuring 4K resolution, wide-angle coverage of up to 74.1° horizontal and max. 24x optical zoom, the UE50/40 maintains "the ambience of hall" intact in streaming videos.
The Auto Tracking Software and image stabilizer function contribute to stable video streaming.

Unit size, quietness and stability for anywhere use

The UE50/40 is lightweight and compact. The new direct-drive motor with an operating sound of NC25 or lower achieves high stopping position precision and enables accurate camerawork, so it can be installed and used at any video shooting sites. The UE50/40 supports NDI®|HX*¹ and SRT*² to assure stable and safe streaming of videos.

*1 In this instance, NDI® is used to indicate low latency with high bandwidth NDI®,NDI®|HX is used to indicate high efficiency low bandwidth NDI®|HX. In the NDI®|HX mode, 4K video signals cannot be output. AW-UE50/AW-UE40 supports NDI®|HX version 2 and Full HD output.
*2 Abbreviation for Secure Reliable Transport

Excellent system flexibility to achieve smart wiring and smooth operation

By using a Panasonic remote camera controller or linking with the software makes, the camera can be easily installed, managed and operated. The UE50/40 is suitable for replacing an existing camera or for expanding the present system.

4K PROFESSIONAL | NDI®|HX Upgradable | SRT ALLIANCE SECURE RELIABLE TRANSPORT | HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE

Various features and functions to respond flexibly to any video shooting needs.

Support SRT[*1] to ensure stable video streaming.

SRT ALLIANCE

The UE50/40 supports SRT, a next-generation video transport protocol which works well even with an unstable network environment and which provides robust security.

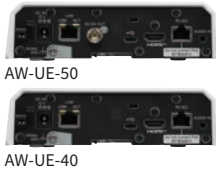*1 Abbreviation for Secure Reliable Transport

Use in Online Conferences as Web Camera.

The UE50/40 supports UVC* so the video and audio signals can be transmitted over USB. By using the PTZ Virtual USB Driver software and connecting with a LAN cable, it is possible to use the UE50/40 as a USB camera. Linkage with Panopto is also possible.

*UVC: USB video class
A standard for connecting video-handling devices such as webcams to a computer via USB.

Supports 4 kinds of Interfaces

The UE50/40 supports four kinds of output interfaces— 3G-SDI*, HDMI, IP and USB—so it can be used together with a wide range of devices.

AW-UE-50

AW-UE-40

* 3G-SDI is supported only by AW-UE50.

Supports NDI®|HX version 2

The UE50/40 realizes effective IP transmission of high-image-quality videos even with a limited bandwidth. Since the video source can be accessed from any devices on the same network, even devices with unknown IP addresses are automatically recognized.

*NDI® is a new IP protocol developed by NewTek, Inc. This protocol supports live video production workflows.
*NDI® is a registered trademark of NewTek, Inc. in the United States.

Single controller* can control up to 200 camera units.

By using the free software, PTZ Control Center, or connecting a Panasonic remote camera controller, multiple remote camera units can be controlled all at once from the single controller for easy management and control.

*This function can be used only with Panasonic PTZ camera controllers AW-RP150GJ and AW-RP60GJ.

Other Features

• Unit design makes the lens unnoticeable.
• Equipped with Privacy Mode which positions the lens toward the back when on standby.
• Equipped with Optical Image Stabilizer.(OIS)
• Operatable from Web GUI.

Accessories

Remote Camera Controller
AW-RP150GJ
High operability ensured through touch-panel GUI monitor and a new type of joystick.

Remote Camera Controller
AW-RP60GJ
Equipped with a GUI menu screen for clear visibility and a joystick for intuitive control.

Auto Tracking Software Key
AW-SF100/AW-SF200
Face Recognition and Human Body Detection for High Precision and Smooth Tracking Control for Natural-looking Video.

Visual Preset Software Key
AW-SF300
GUI screen that enables the subject of multiple PTZ Cameras to be switched with a single click of an icon.

Specifications

Specifications				AW-UE50W/K	AW-UE40W/K
Comprehensive					
Power Requirements				DC 12 V ± 10 % (10.8 V to 13.2 V) (Supplied AC adapter)	
PoE+				IEEE 802.3 at compliant : DC42-57 V (Camera Input)	
Current Consumption				1.8 A (AC adaptor input) , 0.6 A (PoE+ power supply)	
Mass				Approx. 1.8 kg (3.97 lbs) (excluding ceiling mounting bracket)	
External dimensions				Width 160.0 mm × Height 192.1 mm × Depth 166.0 mm (6.299 inches × 7.563 inches × 6.535 inches) (Excluding protrusions, cable cover, ceiling mounting bracket)	
Camera part					
Image Sensors				1/2.5-type MOS×1	
Lens				Electric 24 x optical zoom F1.8 ～ F4.0 (f = 4.12 mm ～ 98.9 mm , 35 mm conversion : 25.0 ～ 600.0 mm)	
Zoom magnification				• Optical zoom: 24 x • i.Zoom UHD 28 x , FHD 36 x • Digital extender zoom: 1.4 x , 2 x	
Angle of View Range				Horizontal angle of view: 74.1° (wide) to 3.3° (tele) Vertical angle of view: 46.0° (wide) to 1.9° (tele) Diagonal angle of view: 81.8° (wide) to 3.8° (tele)	
Horizontal Resolution				UHD: 1,500 Typ (Center area) FHD: 1,000 Typ (Center area)	
Output Format	SDI	HD		1080/59.94p, 1080/50p, 1080/59.94i, 1080/50i, 1080/29.97p(Native), 1080/25p(Native), 1080/23.98p(over59.94i), 1080/29.97psF, 1080/25psF, 1080/23.98psF, 1080/24p(Just), 1080/23.98p(Native), 720/59.94p, 720/50p	—
	HDMI	4K		2160 / 29.97p (Native), 2160 / 25p (Native), 2160 / 24p (Just), 2160 / 23.98p (Native)	
		HD		1080/59.94p, 1080/50p, 1080/59.94i, 1080/50i, 1080/29.97p(Native), 1080/25p(Native), 1080/23.98p(over59.94p), 1080/24p(Just), 1080/23.98p(Native), 720 / 59.94p, 720/50p	1080/59.94p, 1080/50p, 1080/59.94i, 1080/50i, 1080/29.97p(Native), 1080/25p(Native), 1080/24p(Just), 1080/23.98p(Native), 720 / 59.94p, 720/50p
Output					
Video Output	HDMI			HDMI 1.4 connector, 4:2:2 / 10 bit	
	3G-SDI OUT			SMPTE 292 M , 424 M / 75 Ω (BNC×1)	—
Input/output					
Input/Output Connector	LAN			LAN terminal for IP control (RJ-45)	
	RS-422			CONTROL IN RS422A (RJ-45)	
	MIC/LINE input			AAC compatibility (compatible with IP only), Φ3.5 mm stereo mini jack	
		During MIC input		Input level: -40 dBV (0 dB = 1 V / Pa, 1 kHz), Supply voltage: 2.5 V ± 0.5 V (plug-in power compatible)	
		During LINE input		Input level: -10 dBV	
Rotating platform part					
Pan operating range				± 175°	
Tilt operating range				-30° ～ 90° *1	
IP Streaming					
Image Streaming Mode				JPEG (MJPEG)、H.264、H.265、NDI®|HX*2,3,4,5 version 2 (H.264)	
Image resolution				1920×1080, 1280×720, 640×360, 320×180	
Image Transmission Setting	H.264			Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port Frame rate: [At 60Hz] 5fps / 15fps / 30 fps / 60 fps , [At 50Hz] 5 fps / 12.5 fps / 25 fps / 50 fps Max Bit Rate: 512 kbps / 768 kbps / 1024 kbps / 1536 kbps / 2048 kbps / 3072 kbps / 4096 kbps / 6144 kbps / 8192 kbps / 10240 kbps / 12288 kbps / 14336 kbps / 16384 kbps / 20480 kbps / 24576 kbps /	
	H.265			Transmission Type: Unicast port(AUTO), Unicast port (MANUAL), Multicast port Frame rate: [At 60Hz] 30 fps / 60 fps , [At 50Hz] 25 fps / 50 fps Max Bit Rate: Same specifications as H.264	
	NDI®|HX*5 version 2			Transmission Type: TCP / UDP , Unicast / Multicast	

*1 The main unit may appear in the video depending on the pan/tilt position.
*2 NDI® is a new protocol developed by NewTek, Inc. that supports IP video production workflow.
*3 NDI® is a registered trademark of NewTek, Inc. in the United States.
*4 In this instance, NDI® is used to indicate low latency with high bandwidth NDI®,NDI®|HX is used to indicate high efficiency low bandwidth NDI®| HX mode, 4K video signals cannot be output. AW-UE50/AW-UE40 supports NDI®|HX version 2 and Full HD output.
*5 For details, please contact a sales representative of Panasonic. To use NDI®|HX, the driver must be installed and activated."
*This specification is a part. Please see the website for details.

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Factories of AVC Networks Company have received ISO14001:2004-the Environmental Management System certification. (Except for 3rd party's peripherals.)

For more information, please visit Panasonic web site
https://pro-av.panasonic.net/en/?cid=ad_qr-mz_ prd_mebd-ue80_211012_all_s_gl

Broadcast and Professional AV Website

Contact Information

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Mobile App