

# Panasonic

## BUSINESS

Preliminary

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 performance and functions assure high-quality video streaming

Featuring 4K resolution, wide-angle coverage of up to 74.1° horizontal and a max. 24x optical zoom, the UE50/40 maintains superb build quality and functionality for streaming videos. The Auto Tracking Software and image stabilizer function contribute to stable video streaming.

### Small size, quietness and stability for anywhere use

The UE50/40 are lightweight and compact. The new direct-drive motor with an operating sound of NC25 or lower achieves highly accurate stopping position precision and enables accurate camerawork, so they 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 available software, the camera can be easily installed, managed and operated. The UE50/40 are suitable for replacing an existing camera or for expanding the present system.



# Invaluable features and functions to deliver flexibly to any video shooting needs.

## Supports SRT<sup>1</sup> to ensure stable video streaming.



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

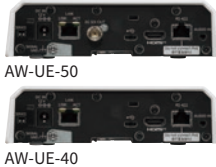
## Use in Online Conferences as Web Camera.

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 Interfaces

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



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

## Supports NDI<sup>®</sup>|HX version 2

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

\*NDI<sup>®</sup> is a new IP protocol developed by NewTek, Inc. This protocol supports live video production workflows.  
\*NDI<sup>®</sup> 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 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.

## Specifications

|                               | AW-UE50W/K  | AW-UE40W/K   |
|-------------------------------|---|--|
| <b>Comprehensive</b>          |   |  |
| 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)       |  |
| <b>Camera part</b>            |   |  |
| 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            | <ul style="list-style-type: none"> <li>• Optical zoom: 24 x</li> <li>• i.Zoom UHD 28 x , FHD 36 x</li> <li>• Digital extender zoom: 1.4 x , 2 x</li> </ul>          |  |
| Angle of View Range           | Horizontal angle of view: 74.1° (wide) to 3.3° (tele)<br>Vertical angle of view: 46.0° (wide) to 1.9° (tele)<br>Diagonal angle of view: 81.8° (wide) to 3.8° (tele) |  |
| Horizontal Resolution         | UHD: 1,500 Typ (Center area)<br>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)   |
|                               |   | 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   |
|                               | HDMI  | 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   |
| <b>Output</b>                 |   |  |
| Video Output                  | HDMI  | HDMI 1.4 connector, 4:2:2 / 10 bit   |
|                               | 3G-SDI OUT  | SMPTE 292 M , 424 M / 75 Q (BNC×1)   |
| <b>Input/output</b>           |   |  |
| 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), Ø3.5 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   |
| <b>Rotating platform part</b> |   |  |
| Pan operating range           | ± 175°  |  |
| Tilt operating range          | -30° ~ 90° *1   |  |
| <b>IP Streaming</b>           |   |  |
| Image Streaming Mode          | JPEG (MJPEG), H.264, H.265, NDI <sup>®</sup>  HX <sup>2,3,4,5</sup> 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<br>Frame rate: [At 60Hz] 5fps / 15fps / 30 fps / 60 fps, [At 50Hz] 5 fps / 12.5 fps / 25 fps / 50 fps<br>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<br>Frame rate: [At 60Hz] 30 fps / 60 fps , [At 50Hz] 25 fps / 50 fps<br>Max Bit Rate: Same specifications as H.264  |
|                               | NDI <sup>®</sup>  HX <sup>5</sup> 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<sup>®</sup> is a new protocol developed by NewTek, Inc. that supports IP video production workflow.

\*3 NDI<sup>®</sup> is a registered trademark of NewTek, Inc. in the United States.

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

\*5 For details, please contact a sales representative of Panasonic. Regarding the purchase of license, refer to "About the version upgrade of the software in the main unit to add NewTek NDI<sup>®</sup>|HX compatibility to the 4K/HD integrated camera." To use NDI<sup>®</sup>|HX, the driver must be installed and activated.\*

\*This specification is a part. Please see the website for details.



For more information, please visit Panasonic web site

[https://pro-av.panasonic.net/en/?cid=ad\\_gr-mz\\_prd\\_mebd-ue80\\_211012\\_all\\_s\\_gj](https://pro-av.panasonic.net/en/?cid=ad_gr-mz_prd_mebd-ue80_211012_all_s_gj)



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Contact Information



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# Panasonic<sup>®</sup>

Panasonic Corporation  
Connected Solutions Company

2-15 Matsuba-cho, Kadoma, Osaka 571-8503 Japan

SP-UE50/40PEWEB2 2021 10SP



Factories of AVC Networks Company have received ISO 14001:2004-the Environmental Management System certification. (Except for 3rd party's peripherals.)