Panasonic





			Ligh	and		Stan	dord		Entry	As of June, 2024
		*1*2 4K	High	EU and US only model FHD	4K	Stan	ZOOM Certified	4K zoom	Entry FHD 200m	zoom Certified for *3
		XS HDR	HDR	only model	PROFESSIONAL	PROFESSIONAL	PROFESSIONAL Certified	PROFESSIONAL Certified	Certified	PROFESSIONAL Certified Microsoft Teams
		55	35			35	38	33	33	33
	Model	AW-UE160W/K	AW-UE150W/K	AW-HE145W/K	AW-UE100W/K	AW-UE80W/K	AW-UE50W/K AW-UE40W/K AW-UE30W/K	AW-UE20W/K	AW-HE20W/K	AW-UE4WG/KG
Ca	mera Body Color	Black (K) or Pearl White (W)	Black (K) or Pearl White (W)	Black (K) or Pearl White (W)	Black (K) or Pearl White (W)	Black (K) or White (W)	Black (K) or White (W)	Black (K) or White (W)	Black (K) or White (W)	Black (K) or White (W)
General Sensor		1-type (1")*4 4K MOS	1-type (1") 4K MOS	1-type (1") Full-HD MOS	1/2.5-type (1/2.5") 4K MOS	1/2.5-type (1/2.5") 4K MOS	1/2.5-type (1/2.5") 4K MOS	1/2.8-type (1/2.8") 4K MOS	1/2.8-type (1/2.8") MOS	1/2.5-type (1/2.5") 4K MOS
	Optical Zoom	Approx. 9.62 megapixels 20x	Approx. 20.18 megapixels 20x	Approx. 20.18 megapixels 20x	Approx. 8.49 megapixels 24x	Approx. 8.49 megapixels 24x	Approx. 8.49 megapixels 24x (AW-UE50, AW-UE40) 20x (AW-UE30)	Approx. 8.46 megapixels 12x	Approx. 8.46 megapixels 12x	Approx. 8.49 megapixels -
	i.Zoom Digital Zoom	UHD 24x, FHD 32x 10x	UHD 24x, FHD 32x 10x	FHD 32x 10x	UHD 28x, FHD 36x 10x	UHD 28x, FHD 36x 10x	UHD 28x, FHD 36x 10x	Approx. 16x	Approx. 16x	- 4x
FOV	Horizontal Vertical	75.1° (W) to 4.0° (T) 46.7° (W) to 2.3° (T)	75.1° (W) to 4.0° (T) 46.7° (W) to 2.3° (T)	75.1° (W) to 4.0° (T) 46.7° (W) to 2.3° (T)	74.1° (W) to 3.3° (T) 46.0° (W) to 1.9° (T)	74.1° (W) to 3.3° (T) 46.0° (W) to 1.9° (T)	74.1° (W) to 3.3° (T) 46.0° (W) to 1.9° (T)	71° (W) to 6° (T) 43° (W) to 3° (T)	71° (W) to 6° (T) 43° (W) to 3° (T)	111° (LDC OFF)*5 75° (LDC OFF)*5
	Diagonal Focus	82.8° (W) to 4.6° (T) Auto / Manual	82.8° (W) to 4.6° (T) Auto / Manual	82.8° (W) to 4.6° (T) Auto / Manual	81.8° (W) to 3.8° (T) Auto / Manual	81.8° (W) to 3.8° (T) Auto / Manual	81.8° (W) to 3.8° (T) Auto / Manual	79° (W) to 7° (T) Auto / Manual	79° (W) to 7° (T) Auto / Manual	120° (LDC OFF)*5 Single focus
	zontal Resolution	4K:1,600 TV lines Typ (Center area) HD: 1,000 TV lines Typ (Center area) F14 / 2,000 lx (Low Light)	4K: 2,000 TV lines Typ (Center area) HD: 1,000 TV lines Typ (Center area) F12 / 2,000 Ix (High Sens)	HD: 1,000 TV lines Typ (Center area) F12 / 2,000 lx (High Sens)	4K: 1,500 TV lines Typ (Center area) HD: 1,000 TV lines Typ (Center area) F5.6 / 2,000 Ix (High Sens)	4K: 1,500 TV lines Typ (Center area) HD: 1,000 TV lines Typ (Center area)	4K: 1,500 TV lines Typ (Center area) HD: 1,000 TV lines Typ (Center area)	4K : 1,400 TV lines Typ (Center area) HD: 1,000 TV lines Typ (Center area)	HD: 1,000 TV lines Typ (Center area)	4K : 1,400 TV lines Typ (Center area)*6 HD: 900 TV lines Typ (Center area)*6
Standard Sensitivity Gain		F11 / 2,000 lx (Normal) Auto, -6 dB to 12 dB (1 dB step)	F9 / 2,000 lx (Normal) Auto, -3 dB to 36 dB (1 dB step)	F9 / 2,000 lx (Normal) Auto, -3 dB to 36 dB (1 dB step)	F4 / 2,000 lx (Normal) Auto, 0 dB to 36 dB (1 dB step)	Auto, 0 dB to 36 dB (1 dB step)	- Auto, 0 dB to 36 dB (1 dB step)	- Auto, 0 dB to 42 dB (3 dB step)	- Auto, 0 dB to 42 dB (3 dB step)	- Auto, 0 dB to 42 dB (3 dB step)
	Control	Serial / IP / IR	Serial / IP / IR	Serial / IP / IR	(Super Gain function installed: 37 dB to 42 dB) Serial / IP / IR	Serial / IP / IR	Serial / IP / IR / USB	Serial / IP / IR / USB	Serial / IP / IR / USB	IP/ IR / USB
Power Current Consumption		PoE++*7 / XLR 5.0 A(XLR) 1.5 A(PoE++)	PoE++*7 / XLR 4.0 A (XLR) 1.2 A (PoE++)	PoE++*7 / XLR 4.0 A (XLR) 1.2 A (PoE++)	PoE++*7 / AC 3.0 A (AC) 1.0 A (PoE++)	PoE++*7 / AC 3.0 A (AC) 1.0 A (PoE++)	PoE+*7 / AC 1.8 A (AC) 0.6 A (PoE+)	PoE+*7 / AC 1.3 A (AC) 0.4 A (PoE+)	PoE+*7 / AC 1.3 A (AC) 0.4 A (PoE+)	PoE*7 / USB 1.0 A (USB) 0.2 A (PoE)
Dime	Weight*8 nsions (W x H x D)	Approx. 4.6 kg (10.14 lbs) 213.0 mm x 277.0 mm x 240.0 mm	Approx. 4.2 kg (9.24 lbs) 213 mm x 267 mm x 219 mm	Approx. 4.1 kg (9.04 lb) 213 mm x 267 mm x 219 mm	Approx. 2.3 kg (5.06 lb)	Approx. 2.0 kg (4.41 lbs) 170.0 mm x 211.0 mm x 171.0 mm	Approx.1.8 kg (3.97 lbs) 160.0 mm x 192.1 mm x 166.0 mm	Approx. 1.9 kg (4.19 lbs) 165.1 mm x 176.2 mm x 176.1 mm	Approx. 1.9 kg (4.19 lbs) 165.1 mm x 176.2 mm x 176.1 mm	Approx. 0.5 kg (1.1 lb) 123 mm x 131 mm x 139 mm
	Nount Position PTZ	Invertible: Ceiling or Desktop*9	Invertible: Ceiling or Desktop*9	Invertible: Ceiling or Desktop*9	Invertible: Ceiling or Desktop*9	Invertible: Ceiling or Desktop*9	Invertible: Ceiling or Desktop*9	Invertible: Ceiling or Desktop*9	Invertible: Ceiling or Desktop*9	
	Pan Range Tilt Range* ¹⁰	± 175° -30° to 210°	± 175° -30° to 210°	±175° -30° to 210°	±175° -30° to 210°	±175° -30° to 90°	±175° -30° to 90°	± 170° -30° to 90°	± 170° -30° to 90°	±110° (manual) ±25° (manual)
P	an / Tilt Speed	Maximum speed during manual: 0.08°/s to 180°/s 3 speed mode installed*11	Maximum speed during manual: 0.08°/s to 180°/s 3 speed mode installed*11	Maximum speed during manual: 0.08°/s to 180°/s 3 speed mode installed*11	Maximum speed during manual: 0.08°/s to 180°/s Maximum speed during preset: 300°/s	Maximum speed during manual: 0.08°/s to 180°/s Maximum speed during preset: 300°/s	Maximum speed during manual: 0.08°/s to 180°/s Maximum speed during preset: 300°/s	Maximum speed during manual: 100°/s Maximum speed during preset: 200°/s*12		-
	peration Noise Direct Drive System	NC35 or less (Nomal use) NC25 or less (P/T standstill)	NC35 or less	NC35 or less	NC25 or less	NC25 or less	NC25 or less	NC40 or less (60°/s or less) NC55 or less (100°/s or higher)	NC40 or less (60°/s or less) NC55 or less (100°/s or higher)	-
	v PTZ Mechanism	(Built-in optical encoder)	-	-	-	-	-	-	-	-
Vi	deo Output 12G-SDI	√	✓	-	√	-	-	-	-	-
	3G-SDI	√*13	√*13	√*13	√*13	√*13	√*13 (AW-UE50W/K)	√*13,14	√*13,14	-
USB	(UVC compatible)	-	_	-	-	-	√ USB2.0 Type-C	√ USB2.0 Type-C	√ USB2.0 Type-C	√ V USB2.0 Type-C
IP	USB uter with USB Tethering Support)	√ USB3.0	-	-	-	-	-	-	-	-
	SMPTE ST 2110 SRT	√* ² √	- /	- /	- /	- ./	- ./	-	-	-
	NDI® High Bandwidth *15	√ 4K	-	-	(4K)	(FHD)	-	_	_	-
	NDI® HX	√ NDI® HX, 4K	NDI® HX, FHD A license must be purchased for use.	NDI® HX, FHD A license must be purchased for use.	√ NDI® HX, FHD	√ NDI® HX, FHD	NDI® HX, FHD A license must be purchased for use. (AW-UE50W/K, AW-UE40W/K)	_	-	-
	RTMP/RTMPS RTSP/RTP etc.	√ √ √*16	√ √ √*16	✓ ✓	√ ✓	√ √	√ √	√ ✓	√ ✓	✓ ✓
	Optical Fiber Control PC/Mac/Mobile) via IP	<i>y</i> .c	<i>/</i>	-	-	-	-	-	-	-
USB		– AW-RP150 / AW-RP60	- AW-RP150 / AW-RP60	- AW-RP150 / AW-RP60	- AW-RP150 / AW-RP60	– AW-RP150 / AW-RP60	AW-RP150 / AW-RP60	AW-RP150 / AW-RP60	V √ AW-RP150 / AW-RP60	√
Controller / Swhitcher Supported*7 IR Remote Control*7		AV-UHS500 AW-RM50AG	AV-UHS500 AW-RM50AG	AV-UHS500 AW-RM50AG	AV-UHS500 AW-RM50AG	AV-UHS500 AW-RM50AG	AV-UHS500* ¹⁷ AW-RM50AG	AV-UHS500 AW-RM50AG	AV-UHS500 AW-RM50AG	AW-RP150 / AW-RP60*18 AW-RM50AG
(I	te Operation Panel ROP/RCP)*7*19 Software*7	AK-HRP1010GJ / AK-HRP1015GJ AK-HRP250GJ	AK-HRP1010GJ / AK-HRP1015GJ AK-HRP250GJ	AK-HRP1010GJ / AK-HRP1015GJ AK-HRP250GJ	AK-HRP1010GJ / AK-HRP1015GJ AK-HRP250GJ	AK-HRP1010GJ / AK-HRP1015GJ AK-HRP250GJ	AK-HRP1010GJ* ¹⁷ / AK-HRP1015GJ* ¹⁷ AK-HRP250GJ* ¹⁷	-	-	AK-HRP1010GJ / AK-HRP250GJ
	Basic Functions Auto Tracking Software Key	√ ./	\/ \/	√ ./	√ ./	√ ./	√ ./	√	√	✓ ·
Media Production Suite	AW-SF100/AW-SF200 Visual Preset Software Key	(Additional Fee)	(Additional Fee)	(Additional Fee)	(Additional Fee)	(Additional Fee)	(Additional Fee)	- · · · · · · · · · · · · · · · · · · ·	- · · · · · · · · · · · · · · · · · · ·	-
	AW-SF300 Video Mixer Software Key AW-SF400G	(Additional Fee) (Additional Fee)	(Additional Fee) (Additional Fee)	(Additional Fee) (Additional Fee)	(Additional Fee) (Additional Fee)	(Additional Fee) (Additional Fee)	(Additional Fee) (Additional Fee)	(Additional Fee) (Additional Fee)	(Additional Fee) (Additional Fee)	(Additional Fee) √ (Additional Fee)
S	MPTE ST 2110 ation Software Key AW-SFU60	(Additional Fee)	-	-	-	-	-	-	_	-
PTZ	Virtual USB Driver Features	√	✓	√	√	√	√	√	√	√
Ima	IP Streaming age Stabilization	Optical (O.I.S.), Electronic (E.I.S.)*20	√ Optical	√ Optical	Optical (O.I.S.), Electronic (E.I.S.)*20	√ Optical	√ Optical	-	-	-
	tht Mode (for IR) C Range Stretch (DRS)	√ √	√ √	✓ ✓	√ ✓	√ √	- √	- /	- /	
Audio	Input / Embedding	(XLR x 2)	✓	✓	✓	✓	√	✓	✓	-
Color Temperature Adjustment		- ✓	- ✓	- ✓	- ✓	- ✓	- ✓	-	-	(Audio On/Off: Available) -
Presets High Dynamic Range (HDR)		Up to 100 √ (support BT.2020)	Up to 100 / (support BT.2020)	Up to 100 / (support BT.2020)	Up to 100 –	Up to 100 –	Up to 100 –	Up to 100 –	Up to 100 –	Up to 100
V-Log Fanless Design		/ -	/ -	- -	-	-	-	-	-	-
Built-in ND Filters Optical Low-pass Filter		Through, 1/4, 1/16, 1/64	Through, 1/4, 1/16, 1/64	Through, 1/4, 1/16, 1/64	Through, 1/4, 1/16, 1/64 –	Through, 1/4, 1/16, 1/64 –	_ 	- -	- -	- -
Genlock Digital Noise Reduction (DNR)		// Favings of with New Image Processing Engine)	√ √	√ √	√ √	√ √	-	-	-	- /
High-Speed Pan / Tilt Mode*21		(Equipped with New Image Precessing Engine)	√	/	, ,	√	√	-	-	-
HD Cropping AR / VR Systems		(Cropping zoom is available.) FreeD*22	√ FreeD*22	-	(Cropping zoom is available.) FreeD*22	- FreeD*22	-	-	-	-
Privacy Mode Tally Lamp		✓ ✓ ✓ ✓ Food & Door Tilly (Dod Cooper Vellage	- V	- /	/ / Dul Cours	√ √ Dul Cours	√ √ Pud Cours	\frac{1}{2}	\frac{1}{2}	
USB: Video Conference mode*23		Front & Rear Tally / Red, Green, Yellow –	Red, Green	Red, Green -	Red, Green	Red, Green	Red, Green	Red ✓	Red ✓	Red 🗸
Horiz	zontal Level Gauge	√ √ -	- - -	-		- - -	- - -	- - -		-
Built-in Auto Tracking MSRP						V	V			
*1: JPEG logo	by Masahito TAKIZAWA is licer	nsed under Creative Commons Attrib	oution-NoDerivatives 4.0 Internation	all Public License with disclaimer of v	varranties.The license can be found at	t https://jpeg.org/contact.html *2: To	o use SMPTE ST 2110, need activation	n by SMPTE ST 2110 Supported Soft	ware Key AW-SFU60 (sold separately	(). *3: Microsoft and Microsoft Teams atibility-Chart). *8: Excluding mount

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4K / HD Integrated Camera

High-end



4K PTZ Camera for an era of enhanced creativity and the pursuit of visual expression

- The first PTZ Camera to support the SMPTE ST 2110 standard for video transmission over IP networks*3,4
- Industry's first 5G mobile router (with USB tethering support) support for high-speed, high-capacity video transmission
- High sensitivity of F14/2,000 lx, equivalent to a studio camera
 - Supports 2x high-speed output
 - Supports HDMI, 3G-SDI, and IP output (NDI® High Bandwidth*5, NDI® HX, etc.) as well as 12G-SDI output and fiber-optic output

4K Integrated Camera

AW-UE160W/K

High-end

4K 60p/50p*6 output, high-magnification zoom and wide-angle shooting for flexible video production



4K Integrated Camera AW-UE150W/K

HD PTZ Camera that enables high-quality video production even in dark environments



HD Integrated Camera AW-HE145W/K •EU and US only model

4K 60p/50p*6 NDI® High Bandwidth & SRT supported PTZ Camera with a compact body and a wide range of features



4K Integrated Camera AW-UE100W/K

Standard

Models to respond to a wide range of video production needs, such as recording of reality shows and events



24x

4K Integrated Camera AW-UE80W/K

Standard models suitable for use in online classes and briefing sessions















4K/60p compatible, high resolution to prevent missed shots. Outdoor model that can shoot in any external environment



IP65

4K Outdoor Integrated Camera AW-UR100

Compact 4K entry model suitable for use in meeting rooms and classrooms with limited space



4K Integrated Camera AW-UE20W/K

Compact PTZ Camera suitable for use in meeting rooms and classrooms with limited space





12x

12x

HD Integrated Camera AW-HE20W/K

Compact 4K PTZ Camera equipped with an ultra-wide-angle lens with a 111° field of view and perfect for fixed point shooting





4K Integrated Camera AW-UE4WG/KG

Microsoft Teams*

Optional Products / Software

Remote Camera Controller / Wireless Remote Control

Remote Controller with high operability ensured through touch-panel GUI monitor and a new type of joystick



Remote Camera Controller **AW-RP150**



Equipped with a GUI menu screen

for clear visibility and a joystick for

Remote Camera Controller AW-RP60



Infrared Wireless Remote Control AW-RM50AG

Switcher

4K/12G-SDI compatible compact integrated live switcher with high performance and easy operation



Live Switcher

AV-UHS500

Broadcast-quality video production with 10bit processing and easy operation. Active in streaming distribution and webinars



Compact Live Switcher

AV-HSW10

Remote Operation Panel (ROP)

These compact operation panels also support PoE* and IP control



Remote Operation Panel (ROP) AK-HRP1010GJ AK-HRP1015GJ*8

Compact operation panel also compatible with Studio Handy Cameras



Video Mixer

Remote Operation Panel (ROP)

AK-HRP250GJ

• For more information about controllers, please visit here (https://pro-av.panasonic.net/en/products/compatibility_chart/). • If you need information about Third Party Products, please visit each products' web site (https://pro-av.panasonic.net/en/support/)

Software

Media Production Suite Free Media Production Suite web site Software Platform for Smart Operation and Rich Expression Device View Free PTZ Control Free Manages network settings and firmware updates Controls multiple PTZ cameras from PC Auto Tracking **Visual Preset** Automatically tracks speaker and captures clear images Switches subject of multiple PTZ cameras with a single click Visual Preset Software Key Auto Tracking Software Key (license for one camera) AW-SF300

Plug-ins AW-SF100 Auto Tracking Software Key (license for multiple cameras) AW-SF200 AW-SF202 (2 additional licenses)

AW-SF203 (3 additional licenses) SMPTE ST 2110 Activation Software Key*9 AW-SFU60

Diverse video compositions created easily with PC Video Mixer Software Key **AW-SF400** PTZ Virtual USB Driver Free

Converts PTZ camera on your network into Super Web cam



PTZ Camera Systems web site (https://pro-av.panasonic.net/en/products/ptz_camera_systems.html)

IT/IP Platform KAIROS*10



- GPU/CPU-Based Live Video Production Platform with High Scalability
- Flexible I/O Numbers, Video Formats, IP protocols and Basebands
- Freely Expression by Unlimited Number of MEs and Output Aspect Ratio



IT/IP Platform KAIROS web site (https://pro-av.panasonic.net/en/products/it_ip_platform/)



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