2022 | PTZ Camera Lineup























	Parama 			Tanan Tanan	Promote Variable Vari	Parameter 1	E		= 1	7
MODEL	AW-UE4	AW-HE20	AW-UE20	AW-UE40	AW-UE50	AW-UE80	AW-UE100	AW-HE145	AW-UE150	AW-HR140
Series	Pro	Pro	Pro	Premium	Premium	Premium	Platinum	Platinum	Platinum	Outdoor
Format	4K/30p Black (K) or	Full HD Black (K) or	4K/30p Black (K) or	4K/30p Black (K) or	4K/30p Black (K) or	4K/60p Black (K) or	4K/60p Black (K) or	Full HD Black (K) or	4K/60p Black (K) or	Full HD
Color	White (W)	White (W)	White (W)	White (W)	White (W)	White (W)	White (W)	White (W)	White (W)	Silver
Sensor	1/2.5" MOS	1/2.8" x 1MOS	1/2.8" x 1MOS	1/2.5"-type	1/2.5"-type	1/2.5"-type	1/2.5" MOS	1" MOS	1" MOS	1/2.86" 3MOS
Optical Zoom	_	12x	12x	x 1MOS 24x	x 1MOS 24x	x 1MOS 24x	24x	20x	20x	20x
i.Zoom	_	12x	12x	28x UHD, 36x FHD	28x UHD, 36x FHD	28x UHD, 36x FHD	28x UHD, 36x FHD	32x	32x	_
Digital Zoom	4x	-	_	1.4x, 2x	1.4x, 2x	1.4x, 2x	10x	10x	10x	10x
FOV (Horizontal)	111°	71°	71°	74.1°	74.1°	74.1°	74.1° (W) 3.3° (T)	75.1° (W) 4.0° (T)	75.1° (W) 4.0° (T)	60.2° (W) 3.3° (T)
Focus	Auto/Manual	Auto/Manual, OTAF	Auto/Manual, OTAF	Auto/Manual, OTAF	Auto/Manual, OTAF	Auto/Manual, OTAF	Auto/Manual	Auto/Manual	Auto/Manual	Auto/Manual
Horizontal Resolution	1400 Lines	-	_	UHD: 1500 TV Typ (Center area) FHD: 1000 TV Typ (Center area)	UHD: 1500 TV Typ (Center area) FHD: 1000 TV Typ (Center area)	UHD: 1500 TV Typ (Center area) FHD: 1000 TV Typ (Center area)	1400 Lines	1000 Lines	1600 Lines	1000 Lines
Minimum Illumination	4 lx*	_	_	3 lx (F1.8, 59.94p, 50IRE, 42dB, without accumulation)	3 lx (F1.8, 59.94p, 50IRE, 42dB, without accumulation)	3 lx (F1.8, 59.94p, 50IRE, 42dB, without accumulation)	3 lx*	2 lx*	2 lx*	2 lx*
Gain	0 dB to 42 dB	Auto, 0 to 42 dB	Auto, 0 to 42 dB	Auto, 0 dB to 36 dB (Super gain: 37 dB to 42 dB)	Auto, 0 dB to 36 dB (Super gain: 37 dB to 42 dB)	Auto, 0 dB to 36 dB (Super gain: 37 dB to 42 dB)	0 dB to 36 dB (Super Gain +37dB - +42dB)	0 dB to 36 dB	0 dB to 36 dB	0 dB to 42 dB
Control	IP, IR	IP, IR , RS422, RS232	IP, IR, RS422, RS232	IP, IR, RS422	IP, IR, RS422	IP, IR, RS422	IP, IR, RS422	IP, IR, RS422	IP, IR, RS422	IP, RS422
Power	PoE or USB	with included power supply, POE+	with included power supply, POE+	with included power supply, POE+	with included power supply, POE+	with included power supply, POE++	with included power PoE++ or DC/12V	PoE++ or XLR	PoE++ or XLR	PoE++ or XLR
Installation	Tripod, Wall, Ceiling	Tripod, Wall, Ceiling	Tripod, Wall, Ceiling	Tripod, Wall, Ceiling	Tripod, Wall, Ceiling	Tripod, Wall, Ceiling	Tripod, Wall, Ceiling	Tripod, Wall, Ceiling	Tripod, Wall, Ceiling	Wall, Ceiling
Mount Position PTZ	Ceiling or Desktop	Ceiling or Desktop	Ceiling or Desktop	Ceiling or Desktop	Ceiling or Desktop	Ceiling or Desktop	Ceiling or Desktop	Ceiling or Desktop	Ceiling or Desktop	Ceiling or Desktop
Pan Range	±175° (manual)	±170°	±170°	±175°	±175°	±175°	±175°	±175°	±175°	±175°
Tilt Range	±25° (manual)	-30° to 90°	-30° to 90°	-30° to 90° Up to	-30° to 90° Up to	-30° to 90° Up to	-30 to 210° ±175°/-30°-	-30 to 210°	-30 to 210°	-30 to 210°
Pan/Tilt Speed	_	TBD	TBD	180 deg/sec	180 deg/sec	180 deg/sec	+210° NC35 or Less	~180°/s	~180°/s	60°/s
Operation Noise VIDEO OUTPUT	_	NC40 or less	NC40 or less	NC25 or less	NC25 or less	NC25 or less	NC35 or Less	NC35 or Less	NC35 or Less	NC45 or Less
LAN	H.264, RTSP, RTMP/S, MJPEG	H.264, HEVC, RTMP/S, MJPEG	H.264, HEVC, RTMP/S, MJPEG	H.264, HEVC, RTSP, RTMP/S, SRT, NDI HX V2, MPEG2-TS over UDP, MJPEG	H.264, HEVC, RTSP, RTMP/S, SRT, NDI HX V2, MPEG2-TS over UDP, MJPEG	H.264, HEVC, RTSP, RTMP/S, SRT, High Bandwidth NDI, NDI HX V2, MPEG2-TS over UDP, MJPEG	H.264, HEVC, RTSP, RTMP/S, SRT, High Bandwidth NDI, NDI HX V2, MPEG2-TS over UDP, MJPEG	H.264, HEVC, RTSP, RTMP/S, SRT, High Bandwidth NDI, NDI HX V2, MJPEG	H.264, HEVC, RTSP, RTMP/S, SRT, High Bandwidth NDI, NDI HX V2, MPEG2-TS over UDP, MJPEG	H.264, HEVC, RTSP, MJPEG
NDI	_	_	_	NDI HX Upgradable	NDI HX Upgradable	Full NDI / NDI HX Included	Full NDI / NDI HX Included	NDI HX Upgradable	NDI HX Upgradable	_
Optical Fiber	-	-	-	_	_	-	-	-	**SFP+ module purchased separately	-
12G-SDI	-	-	-	_	_	_	Yes	_	Yes	-
3C CDI		V	V		V	V	V	V	V	\/
3G-SDI HDMI	Yes	Yes Yes	Yes Yes	- Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes —
HDMI USB / UVC	-									Yes — —
HDMI USB / UVC CONTROL	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes —	Yes Yes	Yes Yes	Yes Yes	
HDMI USB / UVC CONTROL Browser (PC/Mac/Mobile) via IP)	Yes	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	Yes — Yes	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	– – Yes
HDMI USB / UVC CONTROL Browser (PC/Mac/Mobile)	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes —	Yes Yes	Yes Yes	Yes Yes	
HDMI USB / UVC CONTROL Browser (PC/Mac/Mobile) via IP) Serial USB Virtual Driver Auto Tracking* /	Yes Yes Yes - Yes AW-SF100 /	Yes Yes Yes RS-232/RS-422	Yes Yes Yes RS-232/RS-422	Yes Yes Yes RS-422 Yes AW-SF100 /	Yes Yes Yes RS-422 Yes AW-SF100 /	Yes Yes RS-422 Yes AW-SF100 /	Yes Yes Yes RS-422 Yes AW-SF100 /	Yes Yes Yes RS-422 Yes AW-SF100 /	Yes Yes Yes RS-422 Yes AW-SF100 /	 Yes RS-422 Yes AW-SF100 /
HDMI USB / UVC CONTROL Browser (PC/Mac/Mobile) via IP) Serial USB Virtual Driver	Yes Yes Yes Yes Yes	Yes Yes Yes RS-232/RS-422	Yes Yes Yes RS-232/RS-422	Yes Yes Yes RS-422 Yes	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50	Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50	Yes Yes Yes RS-422 Yes	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50	Yes Yes Yes RS-422 Yes	 Yes RS-422 Yes
HDMI USB / UVC CONTROL Browser (PC/Mac/Mobile) via IP) Serial USB Virtual Driver Auto Tracking * / Auto Tracking Server* IR Remote Control Compact Controller	Yes Yes Yes Yes AW-5F100 / AW-5F200 AW-RM50 AW-RP60	Yes Yes Yes RS-232/RS-422 Yes	Yes Yes Yes RS-232/RS-422 Yes	Yes Yes Yes RS-422 Yes AW-5F100 / AW-F5200 AW-RM50 AW-RP60	Yes Yes Yes RS-422 Yes AW-5F100 / AW-5F200 AW-RM50 AW-RP60	Yes Yes RS-422 Yes AW-5F100 / AW-5F200 AW-RM50 AW-RP60	Yes Yes Yes RS-422 Yes AW-5F100 / AW-5F200 AW-RM50 AW-RP60	Yes Yes Yes RS-422 Yes AW-5F100 / AW-5F200 AW-RM50 AW-RP60	Yes Yes Yes RS-422 Yes AW-5F100 / AW-5F200 AW-RM50 AW-RP60	
HDMI USB / UVC CONTROL Browser (PC/Mac/Mobile) via IP) Serial USB Virtual Driver Auto Tracking* / Auto Tracking Server* IR Remote Control	Yes Yes Yes	Yes Yes Yes RS-232/RS-422 Yes - AW-RM50	Yes Yes Yes RS-232/RS-422 Yes — AW-RM50	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50	Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50	Yes Yes Yes RS-422 Yes AW-SF100 / AW-F200 AW-RM50	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50	Yes RS-422 Yes AW-SF100 / AW-SF200
HDMI USB / UVC CONTROL Browser (PC/Mac/Mobile) via IP) Serial USB Virtual Driver Auto Tracking * f Auto Tracking Server* IR Remote Control Compact Controller Full-Size Controller Remote Operation Panel Software Controller (Windows)	Yes Yes Yes Yes AW-5F100 / AW-5F200 AW-RM50 AW-RP60	Yes Yes Yes RS-232/RS-422 Yes	Yes Yes Yes RS-232/RS-422 Yes	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015, AK-HRP250*,	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015, AK-HRP1015, AK-HRP550*	Yes	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015, AK-HRP1015, AK-HRP250*,	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015, AK-HRP50*,	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015, AK-HRP1015, AK-HRP250*,	
HDMI USB / UVC CONTROL Browser (PC/Mac/Mobile) via IP) Serial USB Virtual Driver Auto Tracking* / Auto Tracking Server* IR Remote Control Compact Controller Full-Size Controller Remote Operation Panel	Yes Yes Yes Yes AW-5F100 / AW-5F200 AW-RM50 AW-RP60 AW-RP150 PTZ Control Center,	Yes Yes Yes RS-232/RS-422 Yes AW-RM50 AW-RP60 AW-RP150 PTZ Control Center,	Yes Yes Yes RS-232/RS-422 Yes - AW-RM50 AW-RP60 AW-RP150 - PTZ Control Center,	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP150 AW-RP150 AK-HRP1005*, AK-HRP1015, AK-HRP1015*, AK-HRP1010* PTZ Control Center,	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015, AK-HRP1015* AK-HRP1010* PTZ Control Center,	Yes	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP150 AW-RP150 AK-HRP1000*, AK-HRP1001*, AK-HRP1015, AK-HRP1010* PTZ Control Center,	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP150 AW-RP150 AK-HRP1005*, AK-HRP1015, AK-HRP1015*, AK-HRP1010* PTZ Control Center,	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015, AK-HRP1015* AK-HRP1010* PTZ Control Center,	
HDMI USB / UVC CONTROL Browser (PC/Mac/Mobile) via IP) Serial USB Virtual Driver Auto Tracking* / Auto Tracking Server* IR Remote Control Compact Controller Full-Size Controller Remote Operation Panel Software Controller (Windows) FEATURES IP Live Preview / Output Image Stabilization	Yes Yes Yes Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 PTZ Control Center, AW-SF300	Yes Yes Yes RS-232/RS-422 Yes AW-RM50 AW-RP60 AW-RP150 PTZ Control Center, AW-SF300 Yes EIS	Yes Yes Yes RS-232/RS-422 Yes AW-RM50 AW-RP60 AW-RP150 PTZ Control Center, AW-SF300 Yes EIS	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1010*, AK-HRP1010* PTZ Control Center, AW-SF300 Yes OIS	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP50 AW-RP150 AK-HRP1000*, AK-HRP1001*, AK-HRP1010* PTZ Control Center, AW-SF300 Yes OIS	Yes	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1005*, AK-HRP1010* PTZ Control Center, AW-SF300 Yes OIS	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 AK-HRP1000*, AK-HRP1010*, AK-HRP1010* PTZ Control Center, AW-SF300 Yes OIS	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP50 AW-RP150 AK-HRP1005*, AK-HRP1005*, AK-HRP1010* PTZ Control Center, AW-SF300 Yes OIS	
HDMI USB / UVC CONTROL Browser (PC/Mac/Mobile) via IP) Serial USB Virtual Driver Auto Tracking ** Auto Tracking Server* IR Remote Control Compact Controller Full-Size Controller Remote Operation Panel Software Controller (Windows) FEATURES IP Live Preview / Output	Yes Yes Yes Yes Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 PTZ Control Center, AW-SF300 Yes	Yes Yes Yes RS-232/RS-422 Yes AW-RM50 AW-RP60 AW-RP150 PTZ Control Center, AW-SF300 Yes	Yes Yes Yes RS-232/RS-422 Yes	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 AK-HRP1000*, AK-HRP1005*, AK-HRP1010* PTZ Control Center, AW-SF300 Yes	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015, AK-HRP250*, AK-HRP250*, AK-HRP300* PTZ Control Center, AW-SF300	Yes	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1005*, AK-HRP1015, AK-HRP1010* PTZ Control Center, AW-SF300 Yes	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015, AK-HRP1015, AK-HRP1010* PTZ Control Center, AW-SF300 Yes	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015*, AK-HRP250*, AK-HRP250*, AK-HRP305*, AK-HRP3010* PTZ Control Center, AW-SF300	
HDMI USB / UVC CONTROL Browser (PC/Mac/Mobile) via IP) Serial USB Virtual Driver Auto Tracking * / Auto Tracking Server* IR Remote Control Compact Controller Full-Size Controller Remote Operation Panel Software Controller (Windows) FEATURES IP Live Preview / Output Image Stabilization Night Mode (for IR) Dynamic Range Stretch (DRS) Audio Input / Embedding	Yes Yes Yes Yes	Yes Yes Yes RS-232/RS-422 Yes AW-RM50 AW-RP60 AW-RP150 PTZ Control Center, AW-SF300 Yes EIS —	Yes Yes Yes Yes RS-232/RS-422 Yes - AW-RM50 AW-RP60 AW-RP150 PTZ Control Center, AW-SF300 Yes EIS -	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015, AK-HRP1010* PTZ Control Center, AW-SF300 Yes OIS Yes	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP50 AW-RP150 AK-HRP1005*, AK-HRP1010* AK-HRP1010* PTZ Control Center, AW-SF300 Yes OIS Yes	Yes	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015, AK-HRP1010* PTZ Control Center, AW-SF300 Yes OIS Yes	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015, AK-HRP1010*, AK-HRP1010*, AK-HRP30*, A	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015, AK-HRP1010*, AK-HRP1010*, AK-HRP30*, AK-HRP300*, AK-HRP3	Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP5200 AW-RP150 AK-HRP1005*, AK-HRP1005*, AK-HRP250*, AK-HRP250*, AK-HRP250*, AK-HRP500*, AK-HR
HDMI USB / UVC CONTROL Browser (PC/Mac/Mobile) via IP) Serial USB Virtual Driver Auto Tracking * / Auto Tracking Server* IR Remote Control Compact Controller Full-Size Controller Remote Operation Panel Software Controller (Windows) FEATURES IP Live Preview / Output Image Stabilization Night Mode (for IR) Dynamic Range Stretch (DRS)	Yes Yes Yes Yes Yes — Yes AW-SF100 / AW-SF200 AW-RP60 AW-RP150 — PTZ Control Center, AW-SF300 Yes — Yes	Yes Yes Yes Yes RS-232/RS-422 Yes AW-RM50 AW-RP60 AW-RP150 PTZ Control Center, AW-SF300 Yes EIS Yes Yes Yes	Yes Yes Yes Yes RS-232/RS-422 Yes AW-RM50 AW-RP60 AW-RP150 PTZ Control Center, AW-SF300 Yes EIS Yes Yes Yes	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015, AK-HRP1015 PTZ Control Center, AW-SF300 Yes OIS Yes Yes Yes	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1010* PTZ Control Center, AW-SF300 Yes OIS Yes Yes Yes	Yes	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015, AK-HRP1015 AK-HRP1010 PTZ Control Center, AW-SF300 Yes OIS Yes Yes Yes	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015, AK-HRP1010*, AK-HRP1010* PTZ Control Center, AW-SF300 Yes OIS Yes Yes Yes	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015, AK-HRP1010*, AK-HRP1010* PTZ Control Center, AW-SF300 Yes OIS Yes Yes Yes	Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP60 AW-RP60 AK-HRP1005*, AK-HRP1005*, AK-HRP1010* PTZ Control Center, AW-SF300 Yes OIS/DIS Yes Yes Yes
HDMI USB / UVC CONTROL Browser (PC/Mac/Mobile) via IP) Serial USB Virtual Driver Auto Tracking* / Auto Tracking Server* IR Remote Controll Compact Controller Full-Size Controller Remote Operation Panel Software Controller (Windows) FEATURES IP Live Preview / Output Image Stabilization Night Mode (for IR) Dynamic Range Stretch (DRS) Audio Input / Embedding Color Temperature Adjustment Presets	Yes Yes Yes Yes Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP50 AW-RP150 PTZ Control Center, AW-SF300 Yes - Yes Yes Yes	Yes Yes Yes Yes RS-232/RS-422 Yes	Yes Yes Yes Yes RS-232/RS-422 Yes AW-RM50 AW-RP60 AW-RP150 PTZ Control Center, AW-SF300 Yes EIS Yes Yes	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015, AK-HRP1015 PTZ Control Center, AW-SF300 Yes OIS Yes Yes	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015, AK-HRP1015*, AK-HRP350*, AK-HRP300*, AK-HRP3	Yes	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015, AK-HRP1015 AK-HRP1010 PTZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Up to 100	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP150 AW-RP150 AK-HRP1005*, AK-HRP1015, AK-HRP1010* PTZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Up to 100	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP50 AW-RP150 AK-HRP1005*, AK-HRP1015, AK-HRP1015*, AK-HRP1010* PTZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Up to 100	Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1005*, AK-HRP1010* PTZ Control Center, AW-SF300 Yes OIS/DIS Yes Yes Yes Up to 100
HDMI USB / UVC CONTROL Browser (PC/Mac/Mobile) via IP) Serial USB Virtual Driver Auto Tracking* / Auto Tracking Server* IR Remote Controll Compact Controller Full-Size Controller Remote Operation Panel Software Controller (Windows) FEATURES IP Live Preview / Output Image Stabilization Night Mode (for IR) Dynamic Range Stretch (DRS) Audio Input / Embedding Color Temperature Adjustment	Yes Yes Yes Yes Yes — Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 — PTZ Control Center, AW-SF300 Yes — Yes Yes Yes Yes Yes Yes Up to 100 — RTSP, RTMP,	Yes Yes Yes Yes RS-232/RS-422 Yes — AW-RM50 AW-RP60 AW-RP150 PTZ Control Center, AW-SF300 Yes EIS — Yes Yes Yes Up to 100 — RTSP, RTMP,	Yes Yes Yes Yes RS-232/RS-422 Yes AW-RM50 AW-RP60 AW-RP150 PTZ Control Center, AW-SF300 Yes EIS Yes Yes Yes Yes Up to 100 RTSP, RTMP,	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP50 AW-RP150 AK-HRP1005*, AK-HRP1005*, AK-HRP250*, AK-HRP250*, AK-HRP300 PTZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Yes Up to 100 RTSP, RTMP,	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP50 AW-RP50 AW-RP1000*, AK-HRP1005*, AK-HRP10010* PTZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Up to 100 RTSP, RTMP,	Yes	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1005*, AK-HRP10010* PTZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Up to 100 — RTSP, RTMP,	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP50 AW-RP150 AK-HRP1005*, AK-HRP1015, AK-HRP250*, AK-HRP1010* PIZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Up to 100 (HLG) RTSP, RTMP,	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP50 AW-RP150 AK-HRP1005*, AK-HRP1005*, AK-HRP1010* PIZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Up to 100 (HLG) RTSP, RTMP,	Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP60 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1010* PTZ Control Center, AW-SF300 Yes OIS/DIS Yes Yes Yes
HDMI USB / UVC CONTROL Browser (PC/Mac/Mobile) via IP) Serial USB Virtual Driver Auto Tracking* / Auto Tracking Server* IR Remote Controll Compact Controller Full-Size Controller Remote Operation Panel Software Controller (Windows) FEATURES IP Live Preview / Output Image Stabilization Night Mode (for IR) Dynamic Range Stretch (DRS) Audio Input / Embedding Color Temperature Adjustment Presets High Dynamic Range (HDR)	Yes Yes Yes Yes Yes — Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP60 AW-RP150 — PTZ Control Center, AW-SF300 Yes — — Yes Yes Yes Up to 100 —	Yes Yes Yes Yes RS-232/RS-422 Yes	Yes Yes Yes Yes RS-232/RS-422 Yes	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015*, AK-HRP1010* PTZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Up to 100	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015, AK-HRP1015* AK-HRP1010* PTZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Up to 100 —	Yes	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1005*, AK-HRP1015*, AK-HRP1010* PTZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Tes This in the service of the service	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP10015*, AK-HRP1010* PTZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Up to 100 (HLG) RTSP, RTMP, RTMPS, SRT	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP60 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015*, AK-HRP1010* PTZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Up to 100 (HLG) RTSP, RTMP, RTMPS, SRT HTTP, HTTPS,	
HDMI USB / UVC CONTROL Browser (PC/Mac/Mobile) via IP) Serial USB Virtual Driver Auto Tracking* / Auto Tracking Server* IR Remote Control Compact Controller Full-Size Controller Remote Operation Panel Software Controller (Windows) FEATURES IP Live Preview / Output Image Stabilization Night Mode (for IR) Dynamic Range Stretch (DRS) Audio Input / Embedding Color Temperature Adjustment Presets High Dynamic Range (HDR) Streaming protocols	Yes Yes Yes Yes Yes — Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 — PTZ Control Center, AW-SF300 Yes — Yes Yes Yes Yes Yes Up to 100 — RTSP, RTMP, RTMPS	Yes Yes Yes Yes RS-232/RS-422 Yes AW-RM50 AW-RP60 AW-RP150 PTZ Control Center, AW-SF300 Yes EIS - Yes Yes Yes Yes Tes The state of the	Yes Yes Yes Yes RS-232/RS-422 Yes — AW-RM50 AW-RP60 AW-RP150 — PTZ Control Center, AW-SF300 Yes EIS — Yes Yes Yes Up to 100 — RTSP, RTMP, RTMPS	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1005*, AK-HRP1010* PTZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Yes Yes Tes Yes Y	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP60 AW-RP50 AK-HRP1005*, AK-HRP1005*, AK-HRP10010* PTZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Tes Up to 100 RTSP, RTMP, RTMPS, SRT	Yes	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015, AK-HRP1010* PTZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Up to 100 — RTSP, RTAPP, RTMPS, SRT	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015*, AK-HRP1010* PTZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Up to 100 (HLG) RTSP, RTMP, RTMPS, SRT	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015, AK-HRP1015 PTZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Up to 100 (HLG) RTSP, RTMP, SRT	Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP60 AW-RP60 AW-RP1005*, AK-HRP1005*, AK-HRP1010* PTZ Control Center, AW-SF300 Yes OIS/DIS Yes Yes Yes Yes Up to 100
HDMI USB / UVC CONTROL Browser (PC/Mac/Mobile) via IP) Serial USB Virtual Driver Auto Tracking* / Auto Tracking Server* IR Remote Controll Compact Controller Full-Size Controller Remote Operation Panel Software Controller (Windows) FEATURES IP Live Preview / Output Image Stabilization Night Mode (for IR) Dynamic Range Stretch (DRS) Audio Input / Embedding Color Temperature Adjustment Presets High Dynamic Range (HDR) Streaming protocols Web protocols Direct Drive System Fanless Design	Yes Yes Yes Yes Yes — Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 — PTZ Control Center, AW-SF300 Yes — Yes Yes Yes Yes Up to 100 — RTSP, RTMP, RTMPS HTTP	Yes Yes Yes Yes RS-232/RS-422 Yes — AW-RM50 AW-RP60 AW-RP150 — PTZ Control Center, AW-SF300 Yes EIS — Yes Yes Yes Up to 100 — RTSP, RTMP, RTMPS HTTP	Yes Yes Yes Yes RS-232/RS-422 Yes AW-RM50 AW-RP60 AW-RP150 PTZ Control Center, AW-SF300 Yes EIS — Yes Yes Yes Up to 100 — RTSP, RTMP, RTMPS HTTP	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1010* PTZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Yes Tyes T	Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP60 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015, AK-HRP1010* PTZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Yes Tes The Mark of t	Yes	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1005*, AK-HRP1010* PIZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Tes Up to 100 RTSP, RTMP, RTMPS, SRT HTTP, HTTPS, NTP, UPnP Yes —	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1010* PIZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Up to 100 (HLG) RTSP, RTMP, RTMPS, SRT HTTP, HTTPS, NTP, UPnP	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1001*, AK-HRP1010* PIZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Up to 100 (HLG) RTSP, RTMP, RTMPS, SRT HTTP, HTTPS, NTP, UPnP	
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HDMI USB / UVC CONTROL Browser (PC/Mac/Mobile) via IP) Serial USB Virtual Driver Auto Tracking* / Auto Tracking Server* IR Remote Controll Compact Controller Full-Size Controller Remote Operation Panel Software Controller (Windows) FEATURES IP Live Preview / Output Image Stabilization Night Mode (for IR) Dynamic Range Stretch (DRS) Audio Input / Embedding Color Temperature Adjustment Presets High Dynamic Range (HDR) Streaming protocols Web protocols Direct Drive System Fanless Design	Yes Yes Yes Yes Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 PTZ Control Center, AW-SF300 Yes - Yes Yes Yes Yes Yes Up to 100 RTSP, RTMP, RTMPS HTTP	Yes Yes Yes Yes RS-232/RS-422 Yes AW-RM50 AW-RP60 AW-RP150 PTZ Control Center, AW-SF300 Yes EIS Yes Yes Yes Yes Tes The Management of the properties	Yes Yes Yes Yes RS-232/RS-422 Yes — AW-RM50 AW-RP60 AW-RP150 — PTZ Control Center, AW-SF300 Yes EIS — Yes Yes Up to 100 — RTSP, RTMP, RTMPS HTTP —	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1005*, AK-HRP1010* PIZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Tes The first f	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP50 AW-RP150 AK-HRP1005*, AK-HRP1005*, AK-HRP250*, AK-HRP250*, AK-HRP300 Yes OIS Yes Yes Yes Yes Yes Tes Yes Tes Te	Yes	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1005*, AK-HRP1010* PIZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Tes Up to 100 RTSP, RTMP, RTMPS, SRT HTTP, HTTPS, NTP, UPnP Yes —	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1010* PIZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Up to 100 (HLG) RTSP, RTMP, RTMPS, SRT HTTP, HTTPS, NTP, UPnP	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1001*, AK-HRP1010* PIZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Up to 100 (HLG) RTSP, RTMP, RTMPS, SRT HTTP, HTTPS, NTP, UPnP	
HDMI USB / UVC CONTROL Browser (PC/Mac/Mobile) via IP) Serial USB Virtual Driver Auto Tracking * / Auto Tracking * Server* IR Remote Control Compact Controller Full-Size Controller Remote Operation Panel Software Controller (Windows) FEATURES IP Live Preview / Output Image Stabilization Night Mode (for IR) Dynamic Range Stretch (DRS) Audio Input / Embedding Color Temperature Adjustment Presets High Dynamic Range (HDR) Streaming protocols Web protocols Web protocols Direct Drive System Fanless Design Built-In ND Filters Genlock Advanced Color Adjustment Digital Noise Reduction	Yes Yes Yes Yes Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 PTZ Control Center, AW-SF300 Yes Yes Yes Yes Yes Tes Yes Yes HTTP - Yes Yes	Yes Yes Yes Yes RS-232/RS-422 Yes — AW-RM50 AW-RP60 AW-RP150 — PTZ Control Center, AW-SF300 Yes EIS — Yes Yes Up to 100 — RTSP, RTMP, RTMPS HTTP — — — — — — — — — — — — — — — — — —	Yes Yes Yes Yes RS-232/RS-422 Yes — AW-RM50 AW-RP60 AW-RP150 — PTZ Control Center, AW-SF300 Yes EIS — Yes Yes Up to 100 — RTSP, RTMP, RTMPS HTTP — — — — — — — — — — — — — — — — — —	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP50 AW-RP50 AW-RP150 AK-HRP1005*, AK-HRP1005*, AK-HRP1010*, AK-HRP1010* PIZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Tes Yes Tes This in the service of the service	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP50 AW-RP150 AK-HRP1005*, AK-HRP1005*, AK-HRP1010* PIZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Tes The Management of the property of	Yes	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1005*, AK-HRP1010* PIZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Tes Up to 100 — RTSP, RTMP, RTMPS, SRT HTTP, HTTP, NTP, UPPP Yes — 1/4, 1/16, 1/64 Yes	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1005*, AK-HRP1010* PIZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Yes The Tollor	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1005*, AK-HRP250*, AK-HRP250*, AK-HRP300 PIZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Yes Tes Up to 100 (HLG) RTSP, RTMP, RTMPS, SRT HTTP, HTTPS, NTP, UPnP 1/4, 1/16, 1/64 Yes	Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1005*, AK-HRP250*, AK-HRP250*, AK-HRP250*, AK-HRP250*, AK-HRP250*, AK-HRP250*, AK-HRP250*, AK-HRP250*, AK-HRP1010* PIZ Control Center, AW-SF300 Yes OIS/DIS Yes Yes Yes Yes Through Through Yes
HDMI USB / UVC CONTROL Browser (PC/Mac/Mobile) via IP) Serial USB Virtual Driver Auto Tracking* / Auto Tracking Server* IR Remote Controll Compact Controller Full-Size Controller Remote Operation Panel Software Controller (Windows) FEATURES IP Live Preview / Output Image Stabilization Night Mode (for IR) Dynamic Range Stretch (DRS) Audio Input / Embedding Color Temperature Adjustment Presets High Dynamic Range (HDR) Streaming protocols Web protocols Direct Drive System Fanless Design Built-In ND Filters Genlock Advanced Color Adjustment	Yes Yes Yes Yes Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 PTZ Control Center, AW-SF300 Yes Yes Yes Yes Yes The sum of the	Yes Yes Yes Yes RS-232/RS-422 Yes — AW-RM50 AW-RP60 AW-RP150 — PTZ Control Center, AW-SF300 Yes EIS — Yes Yes Up to 100 — RTSP, RTMP, RTMPS HTTP — — — — — — — — — — — — — — — — — —	Yes Yes Yes Yes RS-232/RS-422 Yes — AW-RM50 AW-RP60 AW-RP150 — PTZ Control Center, AW-SF300 Yes EIS — Yes Yes Up to 100 — RTSP, RTMP, RTMPS HTTP — — — — — — — — — — — — — — — — — —	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1005*, AK-HRP1010* PIZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Tes This in the service of t	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1007*, AK-HRP250*, AK-HRP250*, AK-HRP300 Yes OIS Yes Yes Yes Yes Yes Tes Tes Tes Te	Yes	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP50 AW-RP50 AK-HRP1005*, AK-HRP1005*, AK-HRP250*, AK-HRP250*, AK-HRP250*, AK-HRP300 Yes OIS Yes Yes Yes Yes Up to 100 — RTSP, RTMP, RTMPS, SRT HTTP, HTTPS, NTP, UPnP Yes — 1/4, 1/16, 1/64 Yes Yes	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1001*, AK-HRP250*, AK-HRP250*, AK-HRP300 Yes OIS Yes Yes Yes Yes Up to 100 (HLG) RTSP, RTMP, RTMPS, SRT HTTP, HTTPS, NTP, UPnP	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP50 AW-RP150 AK-HRP1005*, AK-HRP1005*, AK-HRP250*, AK-HRP250*, AK-HRP300 PTZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Yes Tyes Up to 100 (HLG) RTSP, RTMP, RTMPS, SRT HTTP, HTTPS, NTP, UPnP	Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP60 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1005*, AK-HRP250*, AK-HRP250*, AK-HRP250*, AK-HRP250*, AK-HRP250*, AK-HRP250*, AK-HRP1010* PTZ Control Center, AW-SF300 Yes OIS/DIS Yes Yes Yes Yes The sum of the
HDMI USB / UVC CONTROL Browser (PC/Mac/Mobile) via IP) Serial USB Virtual Driver Auto Tracking* / Auto Tracking Server* IR Remote Controll Compact Controller Full-Size Controller Remote Operation Panel Software Controller (Windows) FEATURES IP Live Preview / Output Image Stabilization Night Mode (for IR) Dynamic Range Stretch (DRS) Audio Input / Embedding Color Temperature Adjustment Presets High Dynamic Range (HDR) Streaming protocols Web protocols Direct Drive System Fanless Design Built-In ND Filters Genlock Advanced Color Adjustment Digital Noise Reduction (DNR) Position Tracking for AR/VR HD Cropping in 4K Mode	Yes Yes Yes Yes Yes	Yes Yes Yes Yes RS-232/RS-422 Yes AW-RM50 AW-RP60 AW-RP150 PTZ Control Center, AW-SF300 Yes EIS - Yes Yes Yes HTTP Yes - Yes Yes	Yes Yes Yes Yes RS-232/RS-422 Yes — AW-RM50 AW-RP60 AW-RP150 — PTZ Control Center, AW-SF300 Yes EIS — Yes Yes Yes HTTP — — — — — Yes — — Yes — — — Yes — — — — — — — — — — — — — — — — — — —	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP50 AW-RP150 AK-HRP1005*, AK-HRP1015, AK-HRP250*, AK-HRP1010 PTZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Tes Yes Up to 100 — RTSP, RTMP, SRT HTTP Yes Yes Yes Yes — Yes — Yes — Yes	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1005*, AK-HRP250*, AK-HRP250*, AK-HRP300 Yes OIS Yes Yes Yes Yes Yes The sum of the su	Yes	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1005*, AK-HRP1010* PTZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Yes The Try HTTPS, NTP, UPnP Yes	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP50 AW-RP50 AK-HRP1005*, AK-HRP1005*, AK-HRP1015, AK-HRP50*, AK-HRP1010*, AK-HRP50*, AK-HRP50*, AK-HRP50*, AK-HRP50*, AK-HRP50*, AK-HRP1010*, PTZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Yes Up to 100 (HLG) RTSP, RTMP, RTMPS, SRT HTTP, HTTPS, NTP, UPnP 1/4, 1/16, 1/64 Yes Yes Yes Yes Yes	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP50 AW-RP50 AW-RP1005*, AK-HRP1005*, AK-HRP1015, AK-HRP250*, AK-HRP1010 PTZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Up to 100 (HLG) RTSP, RTMP, RTMPS, SRT HTTP, HTTPS, NTP, UPnP — — 1/4, 1/16, 1/64 Yes Yes Yes Yes Yes Yes Yes CFFEED) Yes	
HDMI USB / UVC CONTROL Browser (PC/Mac/Mobile) via IP) Serial USB Virtual Driver Auto Tracking* / Auto Tracking Server* IR Remote Controll Compact Controller Full-Size Controller Remote Operation Panel Software Controller (Windows) FEATURES IP Live Preview / Output Image Stabilization Night Mode (for IR) Dynamic Range Stretch (DRS) Audio Input / Embedding Color Temperature Adjustment Presets High Dynamic Range (HDR) Streaming protocols Web protocols Direct Drive System Fanless Design Built-In ND Filters Genlock Advanced Color Adjustment Digital Noise Reduction (DNR) Position Tracking for AR/VR	Yes Yes Yes Yes Yes — Yes AW-SF100 / AW-SF200 AW-RM50 AW-RP60 AW-RP150 — PTZ Control Center, AW-SF300 Yes — — Yes Yes Yes Yes Up to 100 — RTSP, RTMP, RTMPS HTTP — Yes — Yes — Yes — TYes	Yes Yes Yes Yes RS-232/RS-422 Yes AW-RM50 AW-RP60 AW-RP150 PTZ Control Center, AW-SF300 Yes EIS Yes Yes Yes HTTP Third Yes Thirp Yes	Yes Yes Yes Yes RS-232/RS-422 Yes — AW-RM50 AW-RP60 AW-RP150 — PTZ Control Center, AW-SF300 Yes EIS — Yes Yes Yes HTTP — — — RTSP, RTMP, RTMPS HTTP — — — Yes — Yes — Yes — — RTSP, RTMP, RTMPS — — — RTSP, RTMP, RTMPS — — — — — — — — — — — — — — — — — — —	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1005*, AK-HRP1010* PIZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Tes This in the service of t	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1007*, AK-HRP250*, AK-HRP250*, AK-HRP300 Yes OIS Yes Yes Yes Yes Yes Tes Tes Tes Te	Yes	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP50 AW-RP50 AW-RP150 AK-HRP1005*, AK-HRP1005*, AK-HRP1010* PIZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Tes Up to 100 — RTSP, RTMP, RTMPS, SRT HTTP, HTTP, NTP, UPPP Yes — 1/4, 1/16, 1/64 Yes Yes Yes Yes Yes Yes Tes This proper in the service of the s	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1005*, AK-HRP1010* PIZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Tes Up to 100 (HLG) RTSP, RTMP, RTMPS, SRT HTTP, HTTP, HTTP, TP, UPnP	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP50 AW-RP50 AK-HRP1005*, AK-HRP1005*, AK-HRP1010*, AK-HRP1010*, AK-HRP50*, AK-HRP50*, AK-HRP50*, AK-HRP1010*, PTZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Yes Thirthill Thirthil	Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP60 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1005*, AK-HRP250*, AK-HRP250*, AK-HRP250*, AK-HRP250*, AK-HRP250*, AK-HRP250*, AK-HRP1010* PTZ Control Center, AW-SF300 Yes OIS/DIS Yes Yes Yes Yes The sum of the
HDMI USB / UVC CONTROL Browser (PC/Mac/Mobile) via IP) Serial USB Virtual Driver Auto Tracking* / Auto Tracking Server* IR Remote Control Compact Controller Full-Size Controller Remote Operation Panel Software Controller (Windows) FEATURES IP Live Preview / Output Image Stabilization Night Mode (for IR) Dynamic Range Stretch (DRS) Audio Input / Embedding Color Temperature Adjustment Presets High Dynamic Range (HDR) Streaming protocols Web protocols Direct Drive System Fanless Design Built-In ND Filters Genlock Advanced Color Adjustment Digital Noise Reduction (DNR) Position Tracking for AR/VR HD Cropping in 4K Mode High-Speed Pan/Tilt Mode V-LOG Support OPTIONS & ACCESSORIES	Yes Yes Yes Yes Yes — Yes AW-SF100 / AW-SF200 AW-RP60 AW-RP150 — PTZ Control Center, AW-SF300 Yes — — Yes Yes Yes Yes Yes Yes Y	Yes Yes Yes Yes RS-232/RS-422 Yes — AW-RM50 AW-RP60 AW-RP150 — PTZ Control Center, AW-SF300 Yes EIS — Yes Yes Up to 100 — RTSP, RTMP, RTMPS HTTP — — — Yes — — Yes — — — Yes	Yes Yes Yes Yes RS-232/RS-422 Yes — AW-RM50 AW-RP60 AW-RP150 — PTZ Control Center, AW-SF300 Yes EIS — Yes Yes Up to 100 — RTSP, RTMP, RTMPS HTTP — — — Yes — — — Yes — — — — Yes	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP60 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015*, AK-HRP1010* PTZ Control Center, AW-SF300 Yes Yes Yes Yes Yes Yes Up to 100 — RTSP, RTMP, RTMPS, SRT HTTP Yes Yes — Yes Yes — — Yes — Yes — — — Yes — — — Yes — — — Yes — — — — Yes — — — — — — — — — — — — — — — — — — —	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015*, AK-HRP1015* AK-HRP1010* PTZ Control Center, AW-SF300 Yes Yes Yes Yes Yes Yes Yes Up to 100 — RTSP, RTMP, RTMPS, SRT HTTP Yes Yes — — Yes — Yes — — — Yes — — — Yes — — — Yes — — — — Yes — — — — — — — — — — — — — — — — — — —	Yes	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015*, AK-HRP1010* PTZ Control Center, AW-SF300 Yes Yes Yes Yes Yes Up to 100 — RTSP, RTMP, RTMPS, SRT HTTP, HTTPS, NTP, UPnP Yes Yes Yes Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP50 AW-RP50 AW-RP150 AK-HRP1005*, AK-HRP1010*, AK-HRP1010* PIZ Control Center, AW-SF300 Yes OIS Yes Yes Yes Yes Yes Up to 100 (HLG) RTSP, RTMP, RTMPS, SRT HTTP, HTTPS, NTP, UPnP — — 1/4, 1/16, 1/64 Yes Yes Yes Yes Yes Yes — — Yes — Yes	Yes Yes Yes Yes RS-422 Yes AW-SF100 / AW-SF200 AW-RP50 AW-RP60 AW-RP150 AK-HRP1005*, AK-HRP1015*, AK-HRP1015* AK-HRP1015* Yes OIS Yes Yes Yes Up to 100 (HLG) RTSP, RTMP, RTMPS, SRT HTTP, HTTPS, NTP, UPnP — — 1/4, 1/16, 1/64 Yes	
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^{*}At 59.94P; F No. (at WIDE & OPEN); MAX Gain; Chart is Gray Scale Test Chart (reflectance = 89.9 %); and Luminance Level at the white filed is 50IRE.

**SFP+ module purchased separately. Please reference brochure for recommended models.

***AK-HRP1015 firmware upgrade may be required.

¹Power supply not included with this model. NDI' is a registered trademark of NewTek, Inc.

2022 | PTZ Camera Control

Panasonic ONNECT

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.

- Large 7" LCD Touchscreen w/Touch Focus Functionality
- Camera Monitoring via HD-SDI

- Industry Approved Ergonomic Design
 3D Joystick for Single-Handed Operation
 Simplified PTZ Camera Presets & Tracing Memory
- Streamlined Multicamera Deployment
- Power via PoE+ or XLR¹



COMPACT CONTROLLER AW-RP60

Control up to 200 PRO PTZ cameras, with this full-featured controller. A 3.5" LCD screen displays menus & key camera information such as iris, zoom and focus. Easily manage 100 PTZ presets.

PoE+ or XLR



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

BUILT-IN 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.



AUTO TRACKING SOFTWARE / SERVER

AW-SF100 / AW-SF200

State-of-the-art auto tracking software options for Panasonic PTZ remote cameras. Dramatically simplifies your remote camera for easier singleperson operation. Using a combination of tracking methods, including template matching, facial detection and deep learning, compatible Panasonic PTZ cameras can be automated to keep track of speakers or lecturers without the need for a dedicated camera operator

AW-SF100 (stand-alone software) / AW-SF200 (server)



Works on Windows 7, ows 8.1 & Windows 10

VISUAL PRESET SOFTWARE AW-SF300

AW-SF300 enables the management and control of visual presets through

an intuitive GUI interface incorporating photos and layout diagrams assigned by the user. Simply set your presets, then touch the area on screen to move the selected cameras to that area



REMOTE OPERATION PANEL AK-HRP250 / AK-HRP1010

Ideal for multicamera shoots that incorporate PTZ and non-PTZ cameras, these advanced remote control panels allow for accelerated finetuning of camera color and shading



ROBOTIC DOLLIES, TELESCOPIC COLUMNS & CEILING/FLOOR TRACKS

Technopoint Tuning

The first robotic system with tracks to be fully integrated with Panasonic PTZ cameras. The direct system integration allows for full control of the dolly, column and the camera from a single controller.





Easy IP

Featuring a new GUI, Easy IP is a free proprietary setup tool that accompanies Panasonic PTZ cameras. The camera picture display has an additional column for the camera list, making Easy IP quite versatile. Couple that with firmware updates, ID signal and auto IP setup features and the PTZ camera becomes even more powerful.



DRIVER SOFTWARE

PTZ Virtual USB Driver

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



- Allows you to use select Panasonic
- professional PTZ cameras on your network as USB cameras
- Up to 5 cameras can be registered
- Automatic camera discovery and network settings
- Compatible with all PTZ models as well as the AG-UMR20, AG-UCK20, AG-CX10 and AG-CX350.

Works on Windows 7, Windows 8.1 & Windows 10