

Image								
Product Name	WideSHOT	ZoomSHOT	PowerVIEW HD-30	PowerVIEW HD-22	Vaddio ClearVIEW HD-20	Vaddio ClearVIEW HD-19	Vaddio ClearVIEW HD-18	Canon XJ-80
Mfr. Model #	WideSHOT	ZoomSHOT	HD-30	HD-22	HD-20	HD-19	HD-18	XJ-80
Frame Delay	Approx. 1.5 Frames	Approx. 1.5 Frames	1 Frame	1 Frame	< 1 Frame	1 Frame	1 Frame	NA
Invertible	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Output Resolutions	YPbPr & HDMI: 720p/60/59.94/30, 1080i/60 59.94, 1080p/60/59.94/30 USB 2.0: Up to 720p/30 MJPEG, IP (H.264): Up to 1080p/24 Depending on Quick-Connect Used	HD: YPbPr 480p to 1080p/60 HDMI: 720p to 1080p/60 USB 2.0: Up to 720p/30 MJPEG, IP (H.264): Up to 1080p/24 Depending on Quick-Connect Used	HDMI, Analog Component, HSDS (Differential Power, Video & Control) HD: 1080p/59.94, 1080p/50, 1080p/29.97/25, 1080i/59.94, 1080i/50, 720p/59.94, 720p/50 SD: 480p/59.97 and 576p/50	HDMI, Analog Component, HSDS (Differential Power, Video & Control) HD: 1080p/59.94, 1080p/50, 1080p/29.97/25, 1080i/59.94, 1080i/50, 720p/59.94, 720p/50 SD: 480p/59.97 and 576p/50	HD: (YPbPr) and HDMI 1080i/60/59.94/50 fields/s, 720p/60/59.94/50 f/s, 1080p/30/25 f/s	HD: 1080p 60/59.94/50/30/25 f/s 1080i 59.94/50 fields/s, 720p/59.94/50 f/s SD: Composite NTSC or PAL • Simultaneous HD/SD or • Simultaneous Component HD and DVI-D or HDMI	HD: 1080p 60/59.94/50/30/25 f/s 1080i 59.94/50 fields/s, 720p/59.94/50 f/s SD: Composite NTSC or PAL • Simultaneous HD/SD or • Simultaneous Component HD and DVI-D or HDMI	HD-SDI: 1080i/59.94/50, 720p/59.94/50; SD: BNC (Composite) (NTSC/PAL)
Optical Zoom	3x Varifocal Manual Optical Zoom Wide Angle Horizontal Viewing Angle: >82°	19x Optical Zoom Viewing Angle: 58° Wide End to 3.1° Tele End	30x Optical Zoom Horizontal Viewing Angle: 65° Wide End to 2.2° Tele End	22x Optical Zoom Horizontal Viewing Angle: 65.2° Wide End to 3.1° Tele End	20x Optical Zoom	19x Optical Zoom	18x Optical Zoom	20x Optical Zoom
Image Device	One (1) Aptina CMOS	One (1) Exmor CMOS	(1) Progressive Scan MOS	(1) Progressive Scan MOS	One (1) EXMOR CMOS	One (1) EXMOR CMOS	One (1) Exview CCD	1/3-inch CMOS
Picture Elements (per CCD)	1.3 Megapixels	1.3 Megapixels	2.2 Megapixels	2.2 Megapixels	3.27 Megapixels	1.3 Megapixels	1.3 Megapixels	2.1 Megapixels
Pan/Tilt Range	Pan(Manual): ±170° Tilt(Manual): ±30°	Pan(Manual): ±170° Tilt(Manual): ±30°	Pan: ±170° Tilt: +90° to -30°	Pan: ±170° Tilt: +90° to -30°	Pan: ±170°, Tilt: -30 to +90°	Pan: ±170°, Tilt: -30 to +90°	Pan: ±170°, Tilt: -30 to +90°	Pan: ±180°, Tilt : +220° ~ -40°
Minimum Illumination	Color - 0.1 lux B/W - .01 lux (1/30 Shutter Speed)	0.7 lux (F1.6, 50IRE)	0.4 lux (F1.6, 1/30 sec, 50 IRE)	0.4 lux (F1.6, 1/30 sec, 50 IRE)	1.6 lux (F1.6, 50IRE)	0.7 lux (F1.6, 50IRE)	1.8 lux (F1.6, 50IRE)	NA
Video SN Ratio	> 50 dB	>52dB	> 50 dB	> 50 dB	>50dB	>52dB	>50dB	NA
Gain	TBD	0dB - 36dB linear in 1dB increments - IR Remote	255 Steps, One Step Increments used with CCU	255 Steps, One Step Increments used with CCU	0dB - 36dB linear in 1dB increments when used with CCU	0dB - 36dB linear in 1dB increments IR Remote or CCU	0dB - 36dB linear in 1dB increments when used with CCU	0~+32dB auto/manual
White Balance	Auto/Manual	Auto/Manual, OPWB	Auto, Indoor, Outdoor, Fluorescent, Manual, OPWB	Auto, Indoor, Outdoor, Fluorescent, Manual, OPWB	Auto/Manual	Auto/Manual, OPWB	Auto/Manual	Auto/Outdoor/Indoor/Manual, ATW
Vaddio WallVIEW	• WallVIEW SR Version • WallVIEW USB • WallVIEW Mini	• WallVIEW SR Version • WallVIEW USB • WallVIEW Mini	• WallVIEW SR Version - YPbPr and HDMI out • WallVIEW DVI/HDMI SR Version - YPbPr and HDMI outs • Video, power and control over Cat. 5e up to 100 feet • WallVIEW USB	• WallVIEW SR Version - YPbPr and HDMI out • WallVIEW DVI/HDMI SR Version - YPbPr and HDMI outs • Video, power and control over Cat. 5e up to 100 feet • WallVIEW USB	• WallVIEW SR Version - YPbPr out • WallVIEW DVI/HDMI SR Version - YPbPr, DVI-D, and HDMI outs with cable adapter Supports HDMI and sRGB Color Spaces Video, power and control over Cat. 5e up to 100 feet	• WallVIEW SR Version - YPbPr out • WallVIEW DVI/HDMI SR Version - YPbPr, DVI-D, and HDMI outs with cable adapter • WallVIEW USB Video, power and control over Cat. 5e up to 100 feet	• WallVIEW SR Version - YPbPr out • WallVIEW DVI/HDMI SR Version - YPbPr, DVI-D, and HDMI outs with cable adapter • WallVIEW USB Video, power and control over Cat. 5e up to 100 feet	CCU Image Controller Option • 2-Preset Scenes • Master, Red & Blue Gain • 5 WB Modes • AF Area and Response • AE Area and Response • Shutter • AGC Max Gain • Gamma • AWB Shift • Iris, Exposure • Exposure • GIL Phase
Vaddio WallVIEW CCU	NA	NA	EZIM CCU Slot Card Included: • 3 preset Scenes • 6 Scene Selections • Red and Blue Gain • Detail • Chroma • Gamma • Pedestal • Iris • Gain	EZIM CCU Slot Card Included: • 3 preset Scenes • 6 Scene Selections • Red and Blue Gain • Detail • Chroma • Gamma • Pedestal • Iris • Gain	EZIM CCU Slot Card Included • 3-Preset Scenes • Red & Blue Gain, AWB • Detail • Chroma • Gamma • Pedestal • Knee • Iris Auto/Manual • Gain Auto/Manual	EZIM CCU Slot Card Included • 3-Preset Scenes • Red & Blue Gain, AWB • Detail • Chroma • Brightness • Digital Image Stabilization • Shutter • Noise Reduction • Iris Auto/Manual • Gain Auto/Manual • SmartSHOT	EZIM CCU Slot Card Included • 3-Preset Scenes • Red and Blue Gain, AWB • Detail • Chroma • Gamma • Pedestal • Knee • Iris Auto/Manual • Gain Auto/Manual	NA
Optional Cards	NA	NA	• HD-SDI Slot Card • CCU Slot Card	• HD-SDI Slot Card • CCU Slot Card	• HD-SDI Slot Card • Quick-Connect DVI/HDMI SR Interface Option Available • WallVIEW CCU HD-SDI Option Avail.	• HD-SDI Slot Card • Quick-Connect DVI/HDMI SR Interface Option • WallVIEW CCU HD-SDI Option Avail.	• HD-SDI Slot Card • Quick-Connect DVI/HDMI SR Interface Option Available • WallVIEW CCU HD-SDI Option Avail.	NA



Vaddio™ Manufactured & OEM HD Robotic PTZ Camera Specifications

Vaddio, Canon®, Panasonic®, Sony®

								
Canon XU-80W	Canon BU-45H	Canon BU-50H	Panasonic AW-HE120	Sony BRC-H900	Sony BRC-H700	Sony BRC-Z700	Sony EVI-HD1	Sony BRC-Z330
XU-80W	BU-545H	BU-50H	AW-HE120	BRCH900	BRCH700	BRCZ700	EVIHD1	BRCZ330
NA	NA	NA	NA	2 Frames	3 Frames (ext .sync)	3 Frames (ext .sync)	2 Frames	3 Frames (ext .sync)
Yes	No	No	Yes	Yes	Yes	Yes	No	Yes
HD-SDI: 1080i/59.94/50, 720p/59.94/50; SD: BNC (Composite) (NTSC/PAL)	HD-SDI/SDI, HD, SD Composite (NTSC/PAL)	HD-SDI/SDI, HD, SD Composite (NTSC/PAL)	HD: 1080i or 720p SD: NTSC, PAL Simultaneous HD/SD	HD: SDI (HD/SD Switchable) +D-Sub 15 pin: Component (Y/Pb/Pr) or RGB, HD, VD or SYNC SD: Composite, Y/C	HD 1080/59.94i, 1080/50i (switchable)	HD: 1080/59.94i, 1080/50i. SD: NTSC, PAL Simultaneous HD/SD	HD: 1080/59.94i, 1080/50i, 1080/29.97p, 1080/25p, 720/59.94p, 720/29.97p, 720/25p SD: NTSC, PAL (switchable)	HD: 1080/59.94i, 720/59.94p SD: NTSC or 1080/50i, 720/50P/PAL (switchable)
20x Optical Zoom	20x Optical Zoom	20x Optical Zoom	20x Optical Zoom	14x Optical Zoom	12x Optical Zoom	20x Optical Zoom	10x Optical Zoom	18x Optical Zoom
1/3-inch CMOS	3-CCD	3-CCD	3-CMOS	1/2-type Exmor 3-CMOS	3-CCD	3-CMOS	1-CMOS	1-CMOS
2.1 Megapixels	1.67 Megapixels	1.67 Megapixels	2.2 Megapixel	2.07 Megapixels	1.07 Megapixels	1.12 Megapixels	2 Megapixels	2.07 Megapixels
Pan: ±180°, Tilt : +220° ~ -40°	Pan: 340°, Tilt: -50 to +30°	Pan: 300°, Tilt: ±40°	Pan: ±175°, Tilt: -30 to +210°	Pan: -170 to +170°, Tilt: -30 to +90°	Pan: -170 to +170°, Tilt: -30 to +90°	Pan: -170 to +170°, Tilt: -30 to +90°	Pan: -100 to +100° Tilt: -25 to +25°	Pan: ±175° Tilt: -30 to +90°
NA	NA	NA	(F1.6 to F3.4)	4 lux (50 IRE, F1.9, 24dB)	6 lux (50 IRE, F1.6 +18 dB)	6 lux (F1.6, 50IRE, +24dB)	15 lux (F1.8 15 IRE)	6 lux (50 IRE, F1.6, 24dB)
NA	NA	NA	NA	50dB	50dB	50dB	50dB	50dB
0→32dB auto/manual	0dB, 6dB, 12dB, 8dB, 36dB, Auto	0dB, 6dB, 12dB, 18dB, 36dB, Auto	0-18 dB gain in 1 dB increments	Auto/Manual (-3 to 24 dB)	Auto/Manual (0 to 18 dB and Hyper Gain)	Auto/Manual (0 to 24 dB and Hyper Gain)	Auto/Manual (-3 to +18 dB)	Auto/Manual (-3 to 24 dB and Hyper Gain)
Auto/Outdoor/Indoor/Manual, ATW	Auto, Set	Auto, Set	ATW AWC-A, AWC-B Preset 3200K, Preset 5600K	Auto/Indoor/Outdoor, One-push WB Manual	Auto, Indoor, Outdoor, One-push WB, Manual	Auto1, Auto2, Indoor, Outdoor, One-push WB, Manual	Auto, Indoor, Outdoor, One-push Auto/Manual	Auto1, Auto2, Indoor, Outdoor, One-push WB, Manual
CCU Image Controller Option • 2-Preset Scenes • Master, Red & Blue Gain • 5 WB Modes • AF Area and Response • AE Area and Response • Shutter • AGC Max Gain • Gamma • AWB Shift • Iris, Exposure • Exposure • G/L Phase	NA	NA	WallVIEW PRO Series Video, power and control over Cat. 5e cables up to 500 feet	WallVIEW PRO Series Video, power and control over Cat. 5e cables up to 500 feet	WallVIEW PRO Series Video, power and control over Cat. 5e cables up to 500 feet	WallVIEW PRO Series Video, power and control over Cat. 5e cables up to 500 feet	WallVIEW PRO Series Video, power and control over Cat. 5e cables up to 500 feet	WallVIEW PRO Series Video, power and control over Cat. 5e cables up to 500 feet
NA	CCU Image Controller Option • 2-Preset Scenes • Red & Blue Gain • Gamma • Black Gain • Knee • Hue • Pedestal • Image Stabilization • Shutter • Iris Auto/Manual • Gain Auto/Manual	CCU Image Controller Option • 2-Preset Scenes • Red & Blue Gain • Gamma • Black Gain • Knee • Hue • Pedestal • Image Stabilization • Shutter • Iris Auto/Manual • Gain Auto/Manual	EZIM CCU Included • Red and Blue Gain • Detail • Gamma • Chroma • Pedestal • Iris and Gain	WallVIEW CCU System • 2-Preset Scenes • EZIM CCU Included • Red and Blue Gain • Detail • Color and Hue Gain • WB Shift • Iris and Gain	EZIM CCU Included • Red and Blue Gain • Detail • Color and Hue Gain • WB Shift • Iris and Gain	EZIM CCU Included • Red and Blue Gain • Detail • Red, Green, Blue Enhance • Iris and Gain	EZIM CCU Included • Red and Blue Gain • Aperture • Iris and Gain	EZIM CCU Included • Red and Blue Gain • Detail • Red, Green, Blue Enhance
NA	None	None	NA	• BRBK-HSD2 HD-SDI Card • BRBK-SA1 Analog SD Out • BRBK-SF1 Optical Card	• BRBK-H700 HD Optical Card • HFBKHD1 HD-SDI Card • HFBKSD1 SDI Card • HFBKTS1 HDV Card • HFBKXG1 XGA Card • BRU-H700 Optical Multiplex Unit	• BRBKMF1 HD Optical Card • BRBKHSD1 HD/SD-SDI Card • BRU-H700 Optical Multiplex Unit • Optical Fiber Cable	None	• BRBK-HD2 HD-SDI output card