

# i-Pro Network Camera Lineup Chart



Model	WV-SW395	WV-SC385	WV-NW964	WV-NS954	WV-NS202A	WV-NW502S	WV-NW484S	WV-SF336/335/332	WV-NF302	WV-NF284	WV-NP502	WV-SP306/305/302	WV-NP304	WV-NP244	WV-SP105/102	
Camera Type	Outdoor PTZ (360° w/ auto flip)	PTZ (360° w/ auto flip)	Outdoor PTZ (Continuous 360°)	Outdoor PTZ (Continuous 360°)	PTZ (0 - 350°)	3.0 Megapixel vandal dome	Vandal dome	1.3 Megapixel dome (WV-SF332: 800 x 600 dome)	1.3 Megapixel ruggedized dome	Fixed dome	3.0 Megapixel box	1.3 Megapixel box (WV-SP302: 800 x 600 box)	1.3 Megapixel box	Fixed box	1.3 Megapixel box (WV-SP102: box)	
Super Dynamic	Mega Super Dynamic	Mega Super Dynamic	SDIII	SDIII	SDIII	Mega Super Dynamic	SDIII	ABS* Wide dynamic range (8x)	ABS*	No	Mega Super Dynamic	ABS* Wide dynamic range (8x)	ABS*	No	ABS*	
Imaging Device	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/4" Progressive Output	1/4" Progressive Output	1/4" Progressive Output	1/3" Progressive Scan	1/3" Progressive Output	1/3" MOS Sensor Progressive Scan	1/3" Progressive Scan	1/4" Progressive Output	1/3" Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" Progressive Scan	1/3" Progressive Output	1/3" MOS Sensor (WV-SP105) 1/5" MOS Sensor (WV-SP102)	
Compression	H.264/MPEG-4/JPEG	H.264/MPEG-4/JPEG	MPEG-4/JPEG	MPEG-4/JPEG	MPEG-4/JPEG	H.264/MPEG-4/JPEG	MPEG-4/JPEG	H.264/MPEG-4/JPEG	MPEG-4/JPEG	MPEG-4/JPEG	H.264/MPEG-4/JPEG	H.264/MPEG-4/JPEG	MPEG-4/JPEG	MPEG-4/JPEG	H.264/JPEG	
Day/Night	Yes	Yes	Yes	Yes	Yes (Simple)	Yes	Yes	Yes (Simple)	Yes (Simple)	No	Yes	Yes (WV-SP306) Simple (WV-SP305/302)	Yes (Simple)	No	Yes (Simple)	
Auto Back Focus	Yes	Yes	Auto Focus	Auto Focus	Auto Focus	Yes	Yes	Yes (WV-SF336) Focus Assist (WV-SF335/332)	Focus assist	No	Yes	Yes (WV-SP306) Focus Assist (WV-SP305/302)	Focus Assist	No	No	
Minimum Illumination	Color	0.5lux	0.5lux	0.5lux	0.5lux	0.7lux	0.6lux	0.3lux (WV-SF332: 0.2lux)	1.5lux	1.5lux	1.3MP: 1.0lux 3MP: 2.0lux	0.3lux (WV-SP302: 0.2lux)	1.5lux	1.1lux	0.8lux (WV-SP105) 2.0lux (WV-SP102)	
	B&W	0.06lux	0.06lux	0.04lux	0.04lux	0.5lux	1.3MP: 0.08lux 3MP: 0.16lux	0.08lux	0.019lux (WV-SF332: 0.013lux)	0.9lux	0.19lux	1.3MP: 0.08lux 3MP: 0.16lux	0.019lux (WV-SP302: 0.013lux)	0.9lux	0.07lux @ 16x sens up	0.4lux (WV-SP105) 1.3lux (WV-SP102)
Key Features	H.264 High Profile Auto Tracking Drag and Zoom Adaptive Black Stretch Motion Detection 3D DNR** Face Detection IP v4/v6 IP66	H.264 High Profile Auto Tracking Drag and Zoom Adaptive Black Stretch Motion Detection 3D DNR** Face Detection IP v4/v6	Auto Tracking Drag and Zoom 360° Map Shot Auto Image Stabilization Motion Detection 3D DNR** Digital Slip Ring IP66	Auto Tracking Drag and Zoom 360° map shot Auto Image Stabilization Motion detection 3d DNR** Digital Slip Ring	Auto Tracking Drag and Zoom 360° map shot Alarm function Motion detection 3D DNR**	H.264 High Profile Vandal ABF Adaptive Black Stretch 3D DNR** Face Detection Dehumidification Device IP v4/v6 IP66	Vandal ABF Alarm function Motion detection 3D DNR** Dehumidification device Heater PoE*** IP66	H.264 High Profile Adaptive Black Stretch Alarm function Motion Detection 3D DNR** Face Detection IPv4/v6	Adaptive Black Stretch Alarm function Motion detection IP v4/v6	Alarm function Motion detection	H.264 High Profile Adaptive Black Stretch 3D DNR** Face Detection IP v4/v6	H.264 High Profile Adaptive Black Stretch Alarm Function Motion Detection 3D DNR** Face Detection IP v4/v6	Adaptive Black Stretch Alarm function Motion detection IP v4/v6	Alarm function Motion detection	Alarm function Motion detection	H.264 High Profile Adaptive Black Stretch Alarm Function Motion Detection 3D DNR** IP v4/v6
fps JPEG	Up to 30fps@1280 x 960	Up to 30fps@1280 x 960	Up to 30fps@640 x 480	Up to 30fps@640 x 480	Up to 30fps@640 x 480	Up to 30fps@1280 x 960 Up to 5fps@2048 x 1536	Up to 30fps@640 x 480	Up to 30fps@1280 x 960 (WV-SF332: Up to 30fps@800 x 600)	Up to 30fps@640 x 480	Up to 30fps@640 x 480	Up to 30fps@1280 x 960 Up to 5fps@2048 x 1536	Up to 30fps@1280 x 960 (WV-SP302: Up to 30fps@800 x 600)	Up to 30fps@640 x 480	Up to 30fps@640 x 480	Up to 30fps@1,280 x 960 (WV-SP105) Up to 30fps@640 x 480 (WV-SP102)	
fps MPEG-4	Up to 30fps@640 x 480	Up to 30fps@640 x 480	Up to 30fps@640 x 480	Up to 30fps@640 x 480	Up to 30fps@640 x 480	Up to 30fps@640 x 480	Up to 30fps@640 x 480	Up to 30fps@640 x 480	Up to 30fps@640 x 480	Up to 30fps@640 x 480	Up to 30fps@640 x 480	Up to 30fps@640 x 480	Up to 30fps@640 x 480	Up to 30fps@640 x 480	—	
fps H.264	Up to 30fps@1280 x 960	Up to 30fps@1280 x 960	—	—	—	Up to 15fps@1920 x 1080 Up to 30fps@1280 x 960	—	Up to 30fps@1280 x 960 (WV-SF332: Up to 30fps@800 x 600)	—	—	Up to 15fps@1920 x 1080 Up to 30fps@1280 x 960	Up to 30fps@1280 x 960 (WV-SP302: Up to 30fps@800 x 600)	—	—	Up to 30fps@1,280 x 960 (WV-SP105) Up to 30fps@640 x 480 (WV-SP102)	
Image Resolution	max 1280x960 (JPEG & H.264) max 640 x 480 (MPEG-4)	max 1280x960 (JPEG & H.264) max 640 x 480 (MPEG-4)	Max 640 x 480 (JPEG & MPEG-4)	Max 640 x 480 (JPEG & MPEG-4)	Max 640 x 480 (JPEG & MPEG-4)	Max 2048 x 1536 (JPEG) max 640 x 480 (MPEG-4) Max 1920 x 1080 (H.264)	max 640 x 480 (JPEG & MPEG-4)	Max 1280 x 960 (JPEG & H.264) Max 640 x 480 (MPEG-4) (WV-SF332: 800 x 600 (JPEG & H.264) 640 x 480 (MPEG-4)	Max 1280 x 960 (JPEG) Max 640 x 480 (MPEG-4)	Max 640 x 480 (JPEG & MPEG-4)	Max 2048 x 1536 (JPEG) Max 640 x 480 (MPEG-4) Max 1920 x 1080 (H.264)	Max 1280 x 960 (JPEG & H.264) Max 640 x 480 (MPEG-4) (WV-SP302: 800 x 600 (JPEG & H.264) 640 x 480 (MPEG-4)	Max 1,280 x 960 (JPEG) Max 640 x 480 (MPEG-4)	Max 640 x 480 (JPEG & MPEG-4)	Max 1280 x 960 (JPEG & H.264) (WV-SP105) Max 640 x 480 (MPEG-4) (WV-SP102)	
Audio Capability	2-way	2-way	2-way	2-way	2-way (half-duplex)	2-way	No	2-way	2-way	1-way	2-way	2-way	2-way	1-way	No	
SD Memory Card Slot	Yes (SDHC)	Yes (SDHC)	Yes (Mini)	Yes	Yes	Yes (SDHC)	Yes	Yes (SDHC)	Yes	Yes	Yes (SDHC)	Yes (SDHC)	Yes	Yes	No	
SD Card Recording	up to 30fps (H.264) up to 1fps (JPEG)	up to 30fps (H.264) up to 1fps (JPEG)	up to 1fps (JPEG)	up to 1fps (JPEG)	up to 1fps (JPEG)	up to 30fps (H.264) up to 1fps (JPEG)	up to 1fps (JPEG)	up to 30fps (H.264) up to 1fps (JPEG)	up to 1fps (JPEG)	up to 1fps (JPEG)	up to 30fps (H.264) up to 1fps (JPEG)	up to 30fps (H.264) up to 1fps (JPEG)	up to 1fps (JPEG)	up to 1fps (JPEG)	No	
Lens Type	4.7mm~84.6mm	4.7mm~84.6mm	3.8mm~114mm	3.8mm~114mm	3.8mm~83mm	2.8x vari-focal 2.8mm~8mm	2x vari-focal 3.8mm~8.0mm	3.6x vari-focal 2.8mm~10.0mm	3.6x vari-focal 2.8mm~10mm	3.6x vari-focal 2.8mm~10mm	Optional	Optional	Optional	Optional	Fixed 3.54mm (WV-SP105) Fixed 2.0mm (WV-SP102)	
Zoom	18x (1.3MP) optical 36x (VGA) EX optical 12x electric	18x (1.3MP) optical 36x (VGA) EX optical 12x electric	30x optical 10x electric	30x optical 10x electric	22x optical 10x electric	2.8x optical 4x electric	2x optical 4x electric	3.6x optical 4x electric	3.6x optical 4x electric	3.6x optical 3x electric	4x electric	4x electric	4x electric	3x electric	2x (VGA) EX optical (WV-SP105) No (WV-SP102)	
Network	10BASE-T/100BASE-TX (RJ-45)	10BASE-T/100BASE-TX (RJ-45)	10BASE-T/100BASE-TX (RJ-45)	10BASE-T/100BASE-TX (RJ-45)	10BASE-T/100BASE-TX (RJ-45)	10BASE-T/100BASE-TX (RJ-45)	10BASE-T/100BASE-TX (RJ-45)	10BASE-T/100BASE-TX (RJ-45)	10BASE-T/100BASE-TX (RJ-45)	10BASE-T/100BASE-TX (RJ-45)	10BASE-T/100BASE-TX (RJ-45)	10BASE-T/100BASE-TX (RJ-45)	10BASE-T/100BASE-TX (RJ-45)	10BASE-T/100BASE-TX (RJ-45)	10BASE-T/100BASE-TX (RJ-45)	
Power	24VAC PoE+ (IEEE802.3af)	12VDC PoE (IEEE802.3af)	24VAC	24VAC	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	24VAC/12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	24VAC/12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	24VAC/12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	
I/O Terminals	3	3	3	3	3	3	3	3	3	3	3	3	3	3	No	
Power Consumption	24W (PoE+) ~43W (AC)	12W 1000mA (DC)	Max 85W (heater on)	15 W	12W (PoE) 1,000mA (DC)	7.6W (PoE) 630 mA (DC)	12W (PoE) ~16W (AC) 920mA (DC)	4.2W (PoE) 630 mA (DC)	6.4W (PoE) 510 mA (DC)	4.0W (PoE) ~4.2W (AC) 350 mA (DC)	7.6W (PoE) 630 mA (DC)	4.4W (PoE) 350 mA (DC)	6.4W (PoE) 530mA (DC)	4.2W (PoE) ~4.8W (AC) 400mA (DC)	2.8W (PoE) 200mA (DC) (WV-SP105) 2.0W (PoE) 140mA (DC) (WV-SP102)	
Operating Temperature	-40F~-122F (24VAC) -30F~-122F (PoE+)	-10F~-122F	-40F~-122F	-40F~-122F	14F~-122F	-22F~-122F	-22F~-122F	14F~-122F	14F~-122F	14F~-122F	22F~-122F	14F~-122F	14F~-122F	14F~-122F	32F~-104F	

\*Adaptive Black Stretch \*\*Digital Noise Reduction \*\*\*Heater optional

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# Network Camera Lineup Chart

Model	BB-HCM705A	BB-HCM701A	BB-HCM715A	BB-HCM527A	BB-HCM581A	BB-HCM580A	BB-HCM511A	BB-HCM403A	BB-HCM735A	BB-HCM547A	BB-HCM531A	BB-HCM371A
Camera Type	1.3 Megapixel fixed dome	Fixed dome	1.3 Megapixel pan/tilt	PTZ	PTZ	PTZ	Pan/tilt	Fixed	Outdoor <sup>3</sup> 1.3 Megapixel pan/tilt	Outdoor <sup>3</sup> PTZ	Outdoor <sup>3</sup> Pan/tilt	Wireless Outdoor <sup>3</sup> Pan/tilt
Imaging Device	1/3" MOS Progressive Scan	1/5" CMOS Progressive Scan	1/3" MOS Progressive Scan	1/3.6" MOS Progressive Scan	1/4" CCD Progressive Scan	1/4" CCD Progressive Scan	1/4" CCD Progressive Scan	1/4" CCD Progressive Scan	1/3" MOS Progressive Scan	1/3.6" MOS Progressive Scan	1/4" CCD Progressive Scan	1/4" CCD Progressive Scan
Compression	Motion JPEG, MPEG-4, H.264	Motion JPEG, MPEG-4, H.264	Motion JPEG, MPEG-4, H.264	Motion JPEG, MPEG-4	Motion JPEG, MPEG-4	Motion JPEG, MPEG-4	Motion JPEG, MPEG-4	Motion JPEG	Motion JPEG, MPEG-4, H.264	Motion JPEG, MPEG-4	Motion JPEG, MPEG-4	Motion JPEG
PoE	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No
Minimum Illumination (color night view mode)	0.6lux (0.07lux) 2x2 Pixel Binning: 0.3lux (0.04lux)	1.5lux (0.4lux)	0.6lux (0.07lux) 2x2 Pixel Binning: 0.3lux (0.04lux)	2lux (0.2lux)	2lux (0.09lux)	2lux (0.09lux)	2lux (0.2lux)	3lux (0.2lux)	0.6lux (0.07lux) 2x2 Pixel Binning: 0.3lux (0.04lux)	2lux (0.2lux)	2lux (0.2lux)	3lux (0.2lux)
Key Features	Shock detection Sound detection Motion detection Cell phone monitoring <sup>1</sup>	Shock detection Sound detection Motion detection Cell phone monitoring <sup>1</sup>	Motion detection Cell phone monitoring <sup>1</sup>	Motion detection Cell phone monitoring <sup>1</sup>	Motion detection Cell phone monitoring <sup>1</sup>	Motion detection Cell phone monitoring <sup>1</sup>	Motion detection Cell phone monitoring <sup>1</sup>	Motion detection Cell phone monitoring <sup>1</sup>	Motion detection Cell phone monitoring <sup>1</sup> Splash resistance (IP55)	Motion detection Cell phone monitoring <sup>1</sup> Splash resistance	Motion detection Cell phone monitoring <sup>1</sup> Splash resistance	Motion detection Cell phone monitoring <sup>1</sup> Splash resistance
Frames Per Second	Up to 30	Up to 30	Up to 30	Up to 30	Up to 30	Up to 30	Up to 30	Up to 30	Up to 30	Up to 30	Up to 30	Up to 30
Image Resolution	1,280 x 960 (Quad-VGA)	640 x 480 (VGA)	1,280 x 960 (Quad-VGA)	640 x 480 (VGA)	640 x 480 (VGA)	640 x 480 (VGA)	640 x 480 (VGA)	640 x 480 (VGA)	1,280 x 960 (Quad-VGA)	640 x 480 (VGA)	640 x 480 (VGA)	640 x 480 (VGA)
Audio Capability	1-way monitoring (camera to PC) Built-in microphone	1-way monitoring (camera to PC) Built-in microphone	2-way (half duplex) Built-in microphone External microphone input	2-way (half duplex) Built-in microphone External microphone input	2-way (half duplex) Built-in microphone External microphone input <sup>2</sup>	No	2-way (half duplex) Built-in microphone External microphone input	2-way (half duplex) Built-in microphone External microphone input	2-way (half duplex) Built-in microphone External microphone input	2-way (half duplex) Built-in microphone External microphone input	2-way (half duplex) Built-in microphone External microphone input	2-way (half duplex) Built-in microphone External microphone input
SD Memory Card Slot	Yes (SD/SDHC)	Yes (SD/SDHC)	Yes (SD/SDHC)	Yes (SD/SDHC)	Yes (SD/SDHC)	Yes (SD/SDHC)	Yes (SD/SDHC)	Yes (SD/SDHC)	Yes (SD/SDHC)	Yes (SD/SDHC)	Yes (SD/SDHC)	Yes (SD/SDHC)
Lens Type Viewing Angle (Horiz/Vert) Pan (Horiz/Vert) Tilt (Horiz/Vert)	f2.4 69°/51° 20°/104° 57°/114°	f2.0 66°/50° 20°/104° 57°/114°	f2.4 69°/51° 104° 53°	f1.9 (wide)-f2.8 (tele) 73°/55° 350° 82°	f1.6 (wide)-f3.6 (tele) 51°/38° 350° 120° on table/90° on ceiling	f1.6 (wide)-f3.6 (tele) 51°/38° 350° 120° on table/90° on ceiling	f2.8 54°/40° 120° 65°	f3.5 53°/40° — 65° (only administrator)	f2.4 69°/51° 104° 53°	f1.9 (wide)-f2.8 (tele) 73°/55° 350° 82°	f2.8 54°/40° 120° 65°	f3.5 53°/40° 120° 65°
Zoom	6x zoom (2x Ex zoom, 3x digital zoom)	3x digital zoom	6x zoom (2x Ex zoom, 3x digital zoom)	4.6x (2.3x optical, 2x digital)	42x (21x optical, 2x digital)	42x (21x optical, 2x digital)	10x digital (by area)	10x digital (by area)	6x zoom (2x Ex zoom, 3x digital zoom)	4.6x (2.3x optical, 2x digital)	10x digital (by area)	10x digital (by area)
Network	10/100 Base-TX	10/100 Base-TX	10/100 Base-TX	10/100 Base-TX	10/100 Base-TX	10/100 Base-TX	10/100 Base-TX	10/100 Base-TX	10/100 Base-TX	10/100 Base-TX	10/100 Base-TX	10/100 Base-TX
I/O Terminals	1	1	3	3	3	3	3	3	3	3	3	3
Analog Video Output	No	No	NTSC/PAL	NTSC/PAL	NTSC/PAL <sup>2</sup>	NTSC/PAL	NTSC/PAL	No	NTSC/PAL	NTSC/PAL	NTSC/PAL	No
Security	User ID/Password, SSL	User ID/Password, SSL	User ID/Password, SSL	User ID/Password, SSL	User ID/Password	User ID/Password	User ID/Password	User ID/Password	User ID/Password, SSL	User ID/Password, SSL	User ID/Password	User ID/Password
Operating Temperature	32°F – 104°F	32°F – 104°F	32°F – 104°F	32°F – 104°F	32°F – 104°F	32°F – 104°F	32°F – 104°F	32°F – 104°F	-4°F – 122°F	-4°F – 122°F	-4°F – 122°F	-4°F – 122°F
Operating Humidity	20% to 80% (No condensation)	20% to 80% (No condensation)	20% to 80% (No condensation)	20% to 80% (No condensation)	20% to 80% (No condensation)	20% to 80% (No condensation)	20% to 80% (No condensation)	20% to 80% (No condensation)	20% to 90% (No condensation)	20% to 90% (No condensation)	20% to 90% (No condensation)	20% to 90% (No condensation)

<sup>1</sup>Only still images in JPEG format can be displayed on a cell phone. <sup>2</sup>Connection with external devices requires the included Audio/Video Cable. <sup>3</sup>Splash resistant body: camera placement under an eave is recommended. Specifications subject to change without notice. Not responsible for typographical errors. Updated: 9/10

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