

Panasonic

2013 / March



Network Camera Comparison Chart



Launches in June 2013

Launches in August 2013

Model No.		WV-SW598 (PTZ)	WV-SW396 (PTZ)	WV-SW395 (PTZ)	WV-SC588 (PTZ)	WV-SC386 (PTZ)
		 New ONVIF	  New ONVIF	  New ONVIF	 New ONVIF	 ONVIF
Image Sensor		1/2.8 type MOS	1/4 type MOS	1/3 type MOS	1/2.8 type MOS	1/4 type MOS
Max. Video Resolution (pixel)		1,920 x 1080	1,280 x 960	1,280 x 960	1,920 x 1080	1,280 x 960
Wide Dynamic Range		Yes (Mega Super Dynamic)	Yes (Mega Super Dynamic)	Yes (Mega Super Dynamic)	Yes (Mega Super Dynamic)	Yes (Mega Super Dynamic)
Day / Night		Day & Night (IR)	Day & Night (IR)	Day & Night (IR)	Day & Night (IR)	Day & Night (IR)
Auto Back Focus		N/A (Auto Focus)	N/A (Auto Focus)	N/A (Auto Focus)	N/A (Auto Focus)	N/A (Auto Focus)
VIQS (Variable Image Quality on Specified area)		Yes (2 areas)	N/A	N/A	Yes (2 areas)	N/A
Min. Illumination	Color	0.5 lx (F1.6)	0.5 lx (F1.4)	0.5 lx (F1.6)	0.5 lx (F1.6)	0.5 lx (F1.4)
	Color (Sens Up)	0.03 lx@ 16x (F1.6)	0.031 lx@ 16x (F1.4)	0.031 lx@ 16x (F1.6)	0.03 lx@ 16x (F1.6)	0.031 lx@ 16x (F1.4)
	B/W	0.06 lx (F1.6)	0.06 lx (F1.4)	0.06 lx (F1.6)	0.06 lx (F1.6)	0.06 lx (F1.4)
	B/W (Sens Up)	0.004 lx@ 16x (F1.6)	0.004 lx@ 16x (F1.4)	0.004 lx@ 16x (F1.6)	0.004 lx@ 16x (F1.6)	0.004 lx@ 16x (F1.4)
Pan		360° endless	360° endless	360 Pan-Flip (0° ~ 350°)	360° endless	360° endless
Tilt		-15° ~ 195° (with Tilt-Flip)	-15° ~ 185° (with Tilt-Flip)	-30° ~ 210° (with Tilt-Flip)	-15° ~ 185° (with Tilt-Flip)	-15° ~ 185° (with Tilt-Flip)
Zoom		90x extra*1 / 30x optical / 12x digital	72x extra*2 / 36x optical / 12x digital	36x extra*2 / 18x optical / 12x digital	90x extra*1 / 30x optical / 12x digital	72x extra*2 / 36x optical / 12x digital
Angular Field of View		H: 2.6° (Tele) ~ 64.6° (Wide) V: 1.6° (Tele) ~ 38.2° (Wide)	H: 1.47° (Tele) ~ 60.15° (Wide) V: 1.2° (Tele) ~ 46.3° (Wide)	H: 3.2° (Tele) ~ 55.2° (Wide) V: 2.4° (Tele) ~ 42.1° (Wide)	H: 2.34° (Tele) ~ 65.1° (Wide) V: 1.36° (Tele) ~ 38.4° (Wide)	H: 1.47° (Tele) ~ 60.15° (Wide) V: 1.2° (Tele) ~ 46.3° (Wide)
Ambient Operating Temperature		-50°C ~ +55°C (-58°F ~ 131°F) (24 V AC, PoE*7) -30°C ~ +55°C (-22°F ~ 131°F) (PoE+)	-50°C ~ +55°C (-58°F ~ 131°F) (24 V AC) -30°C ~ +55°C (-22°F ~ 131°F) (PoE+)	-40°C ~ +50°C (-40°F ~ 122°F) (24 V AC) -30°C ~ +50°C (-22°F ~ 122°F) (PoE+)	-10°C ~ +50°C (14°F ~ 122°F)	-10°C ~ +50°C (14°F ~ 122°F)
Ambient Operating Humidity *5		90% or less	90 % or less	90 % or less	90% or less	90 % or less
Supported Video Codec		H.264 / JPEG	H.264 / MPEG-4 / JPEG	H.264 / MPEG-4 / JPEG	H.264 / JPEG	H.264 / MPEG-4 / JPEG
Audio *6		2-Way	2-way	2-way	2-Way	2-way
Supported Audio Codec		G.726(ADPCM) / G.711 / AAC*9	G.726 (ADPCM) / G.711	G.726 (ADPCM) / G.711	G.726(ADPCM) / G.711 / AAC*9	G.726 (ADPCM) / G.711
SD Memory Card (Option)		SDXC / SDHC / SD	SDHC / SD	SDHC / SD	SDXC / SDHC / SD	SDHC / SD
External I/O Terminals		1x ALARM IN 1 / DAY/NIGHT IN 1x ALARM IN 2 / ALARM OUT 1x ALARM IN 3 / AUX OUT	1x ALARM IN 1 / DAY/NIGHT IN 1x ALARM IN 2 / ALARM OUT 1x ALARM IN 3 / AUX OUT	1x ALARM IN 1 / DAY/NIGHT IN 1x ALARM IN 2 / ALARM OUT 1x ALARM IN 3 / AUX OUT	1x ALARM IN 1 / DAY/NIGHT IN 1x ALARM IN 2 / ALARM OUT 1x ALARM IN 3 / AUX OUT	1x ALARM IN 1 / DAY/NIGHT IN 1x ALARM IN 2 / ALARM OUT 1x ALARM IN 3 / AUX OUT
Analog Video Output		Monitor Out (for adjustment)	Monitor Out (for adjustment)	Monitor Out (for adjustment)	Monitor Out (for adjustment)	Monitor Out (for adjustment)
Built-in Microphone		N/A	N/A	N/A	N/A	N/A
Power Source		24 V AC / PoE+	24 V AC / PoE+	24 V AC / PoE+	12 V DC / PoE	12 V DC / PoE
Others		Multiple H.264 & JPEG streaming, IP66 Rated, Rain wash Coating, Fog Compensation	Multiple H.264 & JPEG streaming, IP66 Rated, Rain Wash Coating (WV-SW396A)	Multiple H.264 & JPEG streaming, IP66 Rated, Rain Wash Coating (WV-SW395A)	Multiple H.264 & JPEG streaming, Fog Compensation	Multiple H.264 & JPEG streaming

*1 extra optical zoom at 360p resolution
*2 extra optical zoom at VGA resolution

*3 extra zoom at 360p resolution
*4 extra zoom at VGA resolution

*5 without condensation
*6 Audio output requires included Audio/Video Cable

*7 With PoE Injector (60W)
*8 With optional Heater Unit WV-SW3H

*9 Only recording on SD memory card

Network Camera Comparison Chart

Model No.		WV-SC385 (PTZ)	WV-SC384 (PTZ)	WV-SW559 (Fixed Dome)	WV-SW558 (Fixed Dome)	WV-SW355 (Fixed Dome)	WV-SW352 (Fixed Dome)
		 ONVIF	 ONVIF	 ONVIF	 ONVIF	 ONVIF	 ONVIF
Image Sensor		1/3 type MOS	1/3 type MOS	1/3 type MOS	1/3 type MOS	1/3 type MOS	1/3 type MOS
Max. Video Resolution (pixel)		1,280 x 960	1,280 x 960	2,048 x 1,536	2,048 x 1,536	1,280 x 960	800 x 600
Wide Dynamic Range		Yes (Mega Super Dynamic)	Yes (WDR)	Yes (Mega Super Dynamic)	Yes (Mega Super Dynamic)	Yes (Mega Super Dynamic)	Yes (Super Dynamic)
Day / Night		Day & Night (IR)	Day & Night (electrical)	Day & Night (IR)	Day & Night (electrical)	Day & Night (IR)	Day & Night (IR)
Auto Back Focus		N/A (Auto Focus)	N/A (Auto Focus)	Yes	Yes	Yes	Yes
VIQS (Variable Image Quality on Specified area)		N/A	N/A	Yes (2 areas)	Yes (2 areas)	Yes (1 area)	Yes (1 area)
Min. Illumination	Color	0.5 lx (F1.6)	0.6 lx (F1.6)	0.5 lx (F1.4)	0.5 lx (F1.4)	0.3 lx (F1.6)	0.2 lx (F1.6)
	Color (Sens Up)	0.031 lx@ 16x (F1.6)	0.038 lx@ 16x (F1.6)	0.03 lx@ 16x (F1.4)	0.03 lx@ 16x (F1.4)	0.019 lx@ 16x (F1.6)	0.013 lx@ 16x (F1.6)
	B/W	0.06 lx (F1.6)	0.5 lx (F1.6)	0.06 lx (F1.4)	0.3 lx (F1.4)	0.05 lx (F1.6)	0.04 lx (F1.6)
	B/W (Sens Up)	0.004 lx@ 16x (F1.6)	0.031 lx@ 16x (F1.6)	0.004 lx@ 16x (F1.4)	0.02 lx@ 16x (F1.4)	0.003 lx@ 16x (F1.6)	0.002 lx@ 16x (F1.6)
Pan		360 Pan-Flip (0° ~ 350°)	360 Pan-Flip (0° ~ 350°)	+180 / -160°, Azimuth ±100° Manual	+180 / -160°, Azimuth ±100° Manual	+180 / -160°, Azimuth ±100° Manual	+180 / -160°, Azimuth ±100° Manual
Tilt		-30° ~ 210° (with Tilt-Flip)	-30° ~ 210° (with Tilt-Flip)	±75° Manual	±75° Manual	±75° Manual	±75° Manual
Zoom		36x extra*2 / 18x optical / 12x digital	36x extra*2 / 18x optical / 8x digital	10.8x extra*1 / 3.6x optical / 4x digital	10.8x extra*1 / 3.6x optical / 4x digital	7.2x extra*2 / 3.6x optical / 4x digital	7.2x extra*2 / 3.6x optical / 4x digital
Angular Field of View		H: 3.2° (Tele) ~ 55.2° (Wide) V: 2.4° (Tele) ~ 42.1° (Wide)	H: 3.2° (Tele) ~ 55.2° (Wide) V: 2.4° (Tele) ~ 42.1° (Wide)	H: 24.2° (Tele) ~ 86.6° (Wide) V: 13.50° (Tele) ~ 47.57° (Wide)	H: 24.2° (Tele) ~ 86.6° (Wide) V: 13.50° (Tele) ~ 47.57° (Wide)	H: 27.7° (Tele) ~ 100.8° (Wide) V: 20.8° (Tele) ~ 73.8° (Wide)	H: 27.7° (Tele) ~ 100.8° (Wide) V: 20.8° (Tele) ~ 73.8° (Wide)
Ambient Operating Temperature		-10 °C ~ +50 °C (14 °F ~ 122 °F)	-10 °C ~ +50 °C (14 °F ~ 122 °F)	-40 °C ~ +50 °C (-40 °F ~ 122 °F)	-40 °C ~ +50 °C (-40 °F ~ 122 °F)	-10 °C ~ +50 °C (14 °F ~ 122 °F) -30 °C ~ +50 °C (-22 °F ~ 122 °F)*8	-10 °C ~ +50 °C (14 °F ~ 122 °F) -30 °C ~ +50 °C (-22 °F ~ 122 °F)*8
Ambient Operating Humidity *5		90 % or less	90 % or less	90 % or less	90 % or less	90 % or less	90 % or less
Supported Video Codec		H.264 / MPEG-4 / JPEG	H.264 / MPEG-4 / JPEG	H.264 / JPEG	H.264 / JPEG	H.264 / MPEG-4 / JPEG	H.264 / MPEG-4 / JPEG
Audio *6		2-way	2-way	2-way	N/A	2-way	2-way
Supported Audio Codec		G.726 (ADPCM) / G.711	G.726 (ADPCM) / G.711	G.726 (ADPCM) / G.711	N/A	G.726 (ADPCM) / G.711	G.726 (ADPCM) / G.711
SD Memory Card (Option)		SDHC / SD	SDHC / SD	SDXC / SDHC / SD	N/A	SDHC / SD	SDHC / SD
External I/O Terminals		1x ALARM IN 1 / DAY/NIGHT IN 1x ALARM IN 2 / ALARM OUT 1x ALARM IN 3 / AUX OUT	1x ALARM IN 1 1x ALARM IN 2 / ALARM OUT 1x ALARM IN 3 / AUX OUT	1x ALARM IN 1 / DAY/NIGHT IN 1x ALARM IN 2 / ALARM OUT 1x ALARM IN 3 / AUX OUT	1x ALARM IN 1x ALARM OUT 1x AUX OUT	1x ALARM IN / DAY/NIGHT IN 1x ALARM OUT 1x AUX OUT	1x ALARM IN / DAY/NIGHT IN 1x ALARM OUT 1x AUX OUT
Analog Video Output		Monitor Out (for adjustment)	Monitor Out (for adjustment)	Monitor Out (for adjustment)	Monitor Out (for adjustment)	Monitor Out (for adjustment)	Monitor Out (for adjustment)
Built-in Microphone		N/A	N/A	N/A	N/A	N/A	N/A
Power Source		12 V DC / PoE	12 V DC / PoE	12 V DC / PoE	12 V DC / PoE	12 V DC / PoE	12 V DC / PoE
Others		Multiple H.264 & JPEG streaming	Multiple H.264 & JPEG streaming	Multiple H.264 & JPEG streaming, IP66 Rated, Vandal Resistant	Multiple H.264 & JPEG streaming, IP66 Rated, Vandal Resistant	Multiple H.264 & JPEG streaming, IP66 Rated, Vandal Resistant	Multiple H.264 & JPEG streaming, IP66 Rated, Vandal Resistant

Launches in June 2013

Model No.		WV-SW158 (Fixed Dome)	WV-SW155 / WV-SW155M (Fixed Dome)	WV-SW152 / WV-SW152M (Fixed Dome)	WV-NW502S (Fixed Dome)
		 New ONVIF	 ONVIF	 ONVIF	 ONVIF
Image Sensor		1/3 type MOS	1/3 type MOS	1/3 type MOS	1/3 type CCD
Max. Video Resolution (pixel)		2,048 x 1,536	1,280 x 960	800 x 600	2,048 x 1,536
Wide Dynamic Range		Yes (Mega Super Dynamic)	Yes (Mega Super Dynamic)	Yes (Super Dynamic)	Yes (Mega Super Dynamic)
Day / Night		Day & Night (Electrical)	Day & Night (electrical)	Day & Night (electrical)	Day & Night (IR)
Auto Back Focus		N/A	N/A	N/A	Yes
VIQS (Variable Image Quality on Specified area)		Yes (2 areas)	Yes (1 area)	Yes (1 area)	N/A
Min. Illumination	Color	1.2 lx (F2.2)	0.8 lx (F2.2)	0.6 lx (F2.2)	1.0 lx (1.3 Megapixel mode / F1.2)
	Color (Sens Up)	0.075 lx@ 16x (F2.2)	0.05 lx@ 16x (F2.2)	0.04 lx@ 16x (F2.2)	0.06 lx @ 16x (1.3 Megapixel mode / F1.2)
	B/W	0.9 lx (F2.2)	0.6 lx (F2.2)	0.4 lx (F2.2)	0.08 lx (1.3 Megapixel mode / F1.2)
	B/W (Sens Up)	0.056 lx@ 16x (F2.2)	0.04 lx@ 16x (F2.2)	0.03 lx@ 16x (F2.2)	0.005 lx @ 16x (1.3 Megapixel mode / F1.2)
Pan		<Ceiling> -20 ° ~ 20 ° <Wall> -80 ° ~ 80 ° Manual	<Ceiling> -20 ° ~ 20 ° <Wall> -80 ° ~ 80 ° Manual	<Ceiling> -20 ° ~ 20 ° <Wall> -80 ° ~ 80 ° Manual	±170 ° , Azimuth ±100 ° Manual
Tilt		<Ceiling> -20 ° ~ 90 ° <Wall> -90 ° ~ 20 ° Manual	<Ceiling> -20 ° ~ 90 ° <Wall> -90 ° ~ 20 ° Manual	<Ceiling> -20 ° ~ 90 ° <Wall> -90 ° ~ 20 ° Manual	±75 ° Manual
Zoom		3 x extra*3 / 4x digital	2 x extra*4 / 4x digital	2 x extra*4 / 4x digital	2.8x optical / 4x digital
Angular Field of View		H: 100° / V: 81° (3 megapixels [4:3]) H: 95° / V: 62° (2/1.3 megapixels [16:9]) H: 84° / V: 68° (1.3 megapixels [4:3])	H: 104° / V: 85°	H: 104° / V: 85°	H: 35.0 ° (Tele) ~ 100.0 ° (Wide) V: 26.2 ° (Tele) ~ 73.4 ° (Wide)
Ambient Operating Temperature		-30 °C ~ +50 °C (22 °F ~ 122 °F)	-30 °C ~ +50 °C (-22 °F ~ 122 °F)	-30 °C ~ +50 °C (-22 °F ~ 122 °F)	-30 °C ~ +50 °C (-22 °F ~ 122 °F)
Ambient Operating Humidity *5		90 % or less	90 % or less	90 % or less	90 % or less
Supported Video Codec		H.264 / JPEG	H.264 / JPEG	H.264 / JPEG	H.264 / MPEG-4 / JPEG
Audio *6		2-Way	N/A	N/A	2-way
Supported Audio Codec		G.726(ADPCM) / G.711 / AAC*7	N/A	N/A	G.726 (ADPCM) / G.711
SD Memory Card (Option)		SDXC / SDHC / SD	SDHC / SD	SDHC / SD	SDHC / SD
External I/O Terminals		N/A	N/A	N/A	1 x ALARM IN 1 / DAY/NIGHT IN 1 x ALARM IN 2 / ALARM OUT 1 x ALARM IN 3 / AUX OUT / EXPOSURE OUT
Analog Video Output		N/A	N/A	N/A	Monitor Out (for adjustment)
Built-in Microphone		Yes	N/A	N/A	N/A
Power Source		PoE	PoE	PoE	12 V DC / PoE
Others		Multiple H.264 & JPEG streaming, IP66 Rated, Vandal Resistant, Built-in microphone	Multiple H.264 & JPEG streaming, IP66 Rated, Vandal Resistant, M12 Connector (WV-SW155M)	Multiple H.264 & JPEG streaming, IP66 Rated, Vandal Resistant, M12 Connector (WV-SW152M)	Multiple H.264 & JPEG streaming, IP66 Rated, Vandal Resistant

*1 extra optical zoom at 360p resolution

*3 extra zoom at 360p resolution

*5 without condensation

*7 Only recording on SD memory card

*2 extra optical zoom at VGA resolution

*4 extra zoom at VGA resolution

*6 Audio output requires included Audio/Video Cable

Network Camera Comparison Chart

Model No.		WV-SF549 (Fixed Dome)	WV-SF548 (Fixed Dome)	WV-SF346 (Fixed Dome)	WV-SF342 (Fixed Dome)	WV-SF539 (Fixed Dome)	WV-SF538 (Fixed Dome)
		 ONVIF	 ONVIF	 ONVIF	 ONVIF	 ONVIF	 ONVIF
Image Sensor		1/3 type MOS	1/3 type MOS	1/3 type MOS	1/3 type MOS	1/3 type MOS	1/3 type MOS
Max. Video Resolution (pixel)		2,048 x 1,536	2,048 x 1,536	1,280 x 960	800 x 600	2,048 x 1,536	2,048 x 1,536
Wide Dynamic Range		Yes (Mega Super Dynamic)	Yes (Mega Super Dynamic)	Yes (WDR)	Yes (WDR)	Yes (Mega Super Dynamic)	Yes (Mega Super Dynamic)
Day / Night		Day & Night (IR)	Day & Night (electrical)	Day & Night (electrical)	Day & Night (electrical)	Day & Night (IR)	Day & Night (electrical)
Auto Back Focus		Yes	Yes	Yes	Focus Assist	Yes	Yes
VIQS (Variable Image Quality on Specified area)		Yes (2 areas)	Yes (2 areas)	Yes (1 area)	Yes (1 area)	Yes (2 areas)	Yes (2 areas)
Min. Illumination	Color	0.5 lx (F1.3)	0.5 lx (F1.3)	0.3 lx (F1.3)	0.2 lx (F1.3)	0.5 lx (F1.4)	0.5 lx (F1.4)
	Color (Sens Up)	0.03 lx@ 16x (F1.3)	0.03 lx@ 16x (F1.3)	0.019 lx@ 16x (F1.3)	0.013 lx@ 16x (F1.3)	0.03 lx@ 16x (F1.4)	0.03 lx@ 16x (F1.4)
	B/W	0.06 lx (F1.3)	0.3 lx (F1.3)	0.2 lx (F1.3)	0.13 lx (F1.3)	0.06 lx (F1.4)	0.3 lx (F1.4)
	B/W (Sens Up)	0.004 lx@ 16x (F1.3)	0.02 lx@ 16x (F1.3)	0.013 lx@ 16x (F1.3)	0.009 lx@ 16x (F1.3)	0.004 lx@ 16x (F1.4)	0.02 lx@ 16x (F1.4)
Pan		+180 / -160 °, Azimuth ±100 ° Manual	+180 / -160 °, Azimuth ±100 ° Manual	+180 / -170 °, Azimuth ±100 ° Manual	+180 / -170 °, Azimuth ±100 ° Manual	+180 / -160 °, Azimuth ±100 ° Manual	+180 / -160 °, Azimuth ±100 ° Manual
Tilt		±75 ° Manual	±75 ° Manual	±75 ° Manual	±75 ° Manual	±75 ° Manual	±75 ° Manual
Zoom		10.8x extra*1 / 3.6x optical / 4x digital	10.8x extra*1 / 3.6x optical / 4x digital	7.2x extra*2 / 3.6x optical / 4x digital	7.2x extra*2 / 3.6x optical / 4x digital	10.8x extra*1 / 3.6x optical / 4x digital	10.8x extra*1 / 3.6x optical / 4x digital
Angular Field of View		H: 24.2 ° (Tele) ~ 80.6 ° (Wide) V: 13.50 ° (Tele) ~ 47.57 ° (Wide)	H: 24.2 ° (Tele) ~ 80.6 ° (Wide) V: 13.50 ° (Tele) ~ 47.57 ° (Wide)	H: 27.7 ° (Tele) ~ 100.3 ° (Wide) V: 20.8 ° (Tele) ~ 73.5 ° (Wide)	H: 27.7 ° (Tele) ~ 100.3 ° (Wide) V: 20.8 ° (Tele) ~ 73.5 ° (Wide)	H: 24.2 ° (Tele) ~ 80.6 ° (Wide) V: 13.50 ° (Tele) ~ 47.57 ° (Wide)	H: 24.2 ° (Tele) ~ 80.6 ° (Wide) V: 13.50 ° (Tele) ~ 47.57 ° (Wide)
Ambient Operating Temperature		-40 °C ~ +50 °C (-40 °F ~ 122 °F)	-40 °C ~ +50 °C (-40 °F ~ 122 °F)	-10 °C ~ +50 °C (14 °F ~ 122 °F)	-10 °C ~ +50 °C (14 °F ~ 122 °F)	-40 °C ~ +50 °C (-40 °F ~ 122 °F)	-40 °C ~ +50 °C (-40 °F ~ 122 °F)
Ambient Operating Humidity *5		90 % or less	90 % or less	90 % or less	90 % or less	90 % or less	90 % or less
Supported Video Codec		H.264 / JPEG	H.264 / JPEG	H.264 / MPEG-4 / JPEG	H.264 / MPEG-4 / JPEG	H.264 / JPEG	H.264 / JPEG
Audio *6		2-way	N/A	2-way	2-way	2-way	N/A
Supported Audio Codec		G.726 (ADPCM) / G.711	N/A	G.726 (ADPCM) / G.711	G.726 (ADPCM) / G.711	G.726 (ADPCM) / G.711	N/A
SD Memory Card (Option)		SDXC / SDHC / SD	N/A	SDHC / SD	SDHC / SD	SDXC / SDHC / SD	N/A
External I/O Terminals		1x ALARM IN 1 / DAY/NIGHT IN 1x ALARM IN 2 / ALARM OUT 1x ALARM IN 3 / AUX OUT	1x ALARM IN 1x ALARM OUT 1x AUX OUT	1x ALARM IN 1x ALARM OUT 1x AUX OUT	1x ALARM IN 1x ALARM OUT 1x AUX OUT	1x ALARM IN 1 / DAY/NIGHT IN 1x ALARM IN 2 / ALARM OUT 1x ALARM IN 3 / AUX OUT	1x ALARM IN 1x ALARM OUT 1x AUX OUT
Analog Video Output		Monitor Out (for adjustment)	Monitor Out (for adjustment)	Monitor Out (for adjustment)	Monitor Out (for adjustment)	Monitor Out (for adjustment)	Monitor Out (for adjustment)
Built-in Microphone		N/A	N/A	N/A	N/A	N/A	N/A
Power Source		12 V DC / PoE	12 V DC / PoE	12 V DC / PoE	12 V DC / PoE	12 V DC / PoE	12 V DC / PoE
Others		Multiple H.264 & JPEG streaming, Vandal Resistant	Multiple H.264 & JPEG streaming, Vandal Resistant	Multiple H.264 & JPEG streaming, Vandal Resistant	Multiple H.264 & JPEG streaming, Vandal Resistant	Multiple H.264 & JPEG streaming	Multiple H.264 & JPEG streaming

Launches in June 2013

Model No.		WV-SF336 (Fixed Dome)	WV-SF335 (Fixed Dome)	WV-SF332 (Fixed Dome)	WV-SF138 (Fixed Dome)	WV-SF135 (Fixed Dome)	WV-SF132 (Fixed Dome)
		 ONVIF	 ONVIF	 ONVIF	 New ONVIF	 ONVIF	 ONVIF
Image Sensor		1/3 type MOS	1/3 type MOS	1/3 type MOS	1/3 type MOS	1/3 type MOS	1/5 type MOS
Max. Video Resolution (pixel)		1,280 x 960	1,280 x 960	800 x 600	2,048 x 1,536	1,280 x 960	640 x 480
Wide Dynamic Range		Yes (WDR)	Yes (WDR)	Yes (WDR)	Yes (Mega Super Dynamic)	N/A	N/A
Day / Night		Day & Night (electrical)	Day & Night (electrical)	Day & Night (electrical)	Day & Night (Electrical)	Day & Night (electrical)	Day & Night (electrical)
Auto Back Focus		Yes	Focus Assist	Focus Assist	N/A	N/A	N/A
VIQS (Variable Image Quality on Specified area)		Yes (1 area)	Yes (1 area)	Yes (1 area)	Yes (2 areas)	Yes (1 area)	Yes (1 area)
Min. Illumination	Color	0.3 lx (F1.3)	0.3 lx (F1.3)	0.2 lx (F1.3)	1.2 lx (F2.2)	0.8 lx (F2.2)	2.0 lx (F2.9)
	Color (Sens Up)	0.019 lx@ 16x (F1.3)	0.019 lx@ 16x (F1.3)	0.013 lx@ 16x (F1.3)	0.075 lx@ 16x (F2.2)	0.05 lx@ 16x (F2.2)	0.3 lx@ 16x (F2.9)
	B/W	0.2 lx (F1.3)	0.2 lx (F1.3)	0.13 lx (F1.3)	0.9 lx (F2.2)	0.6 lx (F2.2)	1.3 lx (F2.9)
	B/W (Sens Up)	0.013 lx@ 16x (F1.3)	0.013 lx@ 16x (F1.3)	0.009 lx@ 16x (F1.3)	0.056 lx@ 16x (F2.2)	0.04 lx@ 16x (F2.2)	0.16 lx@ 16x (F2.9)
Pan		+180 / -170 °, Azimuth ±100 ° Manual	+180 / -170 °, Azimuth ±100 ° Manual	+180 / -170 °, Azimuth ±100 ° Manual	<Ceiling> -20 ~ 20 ° <Wall> -80 ~ 80 ° Manual	<Ceiling> -20 ~ 20 ° <Wall> -80 ~ 80 ° Manual	<Ceiling> -20 ~ 20 ° <Wall> -80 ~ 80 ° Manual
Tilt		±75 ° Manual	±75 ° Manual	±75 ° Manual	<Ceiling> -20 ~ 90 ° <Wall> -90 ~ 20 ° Manual	<Ceiling> -20 ~ 90 ° <Wall> -90 ~ 20 ° Manual	<Ceiling> -20 ~ 90 ° <Wall> -90 ~ 20 ° Manual
Zoom		7.2x extra ^{*2} / 3.6x optical / 4x digital	7.2x extra ^{*2} / 3.6x optical / 4x digital	7.2x extra ^{*2} / 3.6x optical / 4x digital	3 x extra ^{*3} / 4x digital	2 x extra ^{*4} / 4x digital	4x digital
Angular Field of View		H: 28.0 ° (Tele) ~ 100.0 ° (Wide) V: 21.0 ° (Tele) ~ 74.0 ° (Wide)	H: 28.0 ° (Tele) ~ 100.0 ° (Wide) V: 21.0 ° (Tele) ~ 74.0 ° (Wide)	H: 28.0 ° (Tele) ~ 100.0 ° (Wide) V: 21.0 ° (Tele) ~ 74.0 ° (Wide)	H: 100° / V: 81° (3 megapixels [4:3]), H: 95° / V: 62° (2/1.3 megapixels [16:9]) H: 84° / V: 68° (1.3 megapixels [4:3])	H: 104° / V: 85°	H: 68° / V :53°
Ambient Operating Temperature		-10 °C ~ +50 °C (14 °F ~ 122 °F)	-10 °C ~ +50 °C (14 °F ~ 122 °F)	-10 °C ~ +50 °C (14 °F ~ 122 °F)	0 °C ~ +40 °C (32 °F ~ 104 °F)	0 °C ~ +40 °C (32 °F ~ 104 °F)	0 °C ~ +40 °C (32 °F ~ 104 °F)
Ambient Operating Humidity ^{*5}		90 % or less	90 % or less	90 % or less	90 % or less	90 % or less	90 % or less
Supported Video Codec		H.264 / MPEG-4 / JPEG	H.264 / MPEG-4 / JPEG	H.264 / MPEG-4 / JPEG	H.264 / JPEG	H.264 / JPEG	H.264 / JPEG
Audio ^{*6}		2-way	2-way	2-way	2-Way	N/A	N/A
Supported Audio Codec		G.726 (ADPCM) / G.711	G.726 (ADPCM) / G.711	G.726 (ADPCM) / G.711	G.726(ADPCM) / G.711 / AAC ^{*8}	N/A	N/A
SD Memory Card (Option)		SDHC / SD	SDHC / SD	SDHC / SD	SDXC / SDHC / SD	N/A	N/A
External I/O Terminals		1x ALARM IN 1x ALARM OUT 1x AUX OUT	1x ALARM IN 1x ALARM OUT 1x AUX OUT	1x ALARM IN 1x ALARM OUT 1x AUX OUT	N/A	N/A	N/A
Analog Video Output		Monitor Out (for adjustment)	Monitor Out (for adjustment)	Monitor Out (for adjustment)	N/A	N/A	N/A
Built-in Microphone		N/A	N/A	N/A	Yes	N/A	N/A
Power Source		12 V DC / PoE	12 V DC / PoE	12 V DC / PoE	PoE	PoE	PoE
Others		Multiple H.264 & JPEG streaming	Multiple H.264 & JPEG streaming	Multiple H.264 & JPEG streaming	Multiple H.264 & JPEG streaming, Built-in microphone	Multiple H.264 & JPEG streaming	Multiple H.264 & JPEG streaming

^{*1} extra optical zoom at 360p resolution
^{*2} extra optical zoom at VGA resolution

^{*3} extra zoom at 360p resolution
^{*4} extra zoom at VGA resolution

^{*5} without condensation

^{*6} Audio output requires included Audio/Video Cable

^{*7} without mechanical action

^{*8} Only recording on SD memory card

Network Camera Comparison Chart

Model No.		WV-SW458 (360-degree Dome)	WV-SW458M (360-degree Dome)	WV-SF438 (360-degree Dome)
		 New	 New	 New
Image Sensor		1/3 type MOS	1/3 type MOS	1/3 type MOS
Max. Video Resolution (pixel)		2,048 x 1,536	2,048 x 1,536	2,048 x 1,536
Wide Dynamic Range		Yes (Mega Super Dynamic)	Yes (Mega Super Dynamic)	Yes (Mega Super Dynamic)
Day / Night		Day & Night (Electrical)	Day & Night (Electrical)	Day & Night (Electrical)
Auto Back Focus		N/A	N/A	N/A
VIQS (Variable Image Quality on Specified area)		Yes (2 areas)	Yes (2 areas)	Yes (2 areas)
Min. Illumination	Color	1.5 lx (F2.4)	1.5 lx (F2.4)	1.5 lx (F2.4)
	Color (Sens Up)	0.1 lx@ 16x (F2.4)	0.1 lx@ 16x (F2.4)	0.1 lx@ 16x (F2.4)
	B/W	1.2 lx (F2.4)	1.2 lx (F2.4)	1.2 lx (F2.4)
	B/W (Sens Up)	0.08 lx@ 16x (F2.4)	0.08 lx@ 16x (F2.4)	0.08 lx@ 16x (F2.4)
Pan *7		ceiling : 360°(endless) wall : ±91°	ceiling : 360°(endless) wall : ±91°	floor/ceiling : 360°(endless) wall : ±94°
Tilt *7		ceiling : -1° ~ 181°(MAX) wall : ±88°	ceiling : -1° ~ 181°(MAX) wall : ±88°	floor/ceiling : -4° ~ 184°(MAX) wall : ±90.5°
Digital Zoom		1x, 2x, 4x controlled by browser GUI (Panorama, Double Panorama, Fisheye mode) 1x ~ 4x (Quad PTZ or Single PTZ mode)	1x, 2x, 4x controlled by browser GUI (Panorama, Double Panorama, Fisheye mode) 1x ~ 4x (Quad PTZ or Single PTZ mode)	1x, 2x, 4x controlled by browser GUI (Panorama, Double Panorama, Fisheye mode) 1x ~ 4x (Quad PTZ or Single PTZ mode)
Angular Field of View		H: 182° V: 176°	H: 182° V: 176°	H: 188° V: 181°
Ambient Operating Temperature		-40 °C ~ +50 °C (-40 °F ~ 122 °F)	-40 °C ~ +50 °C (-40 °F ~ 122 °F)	-10 °C ~ +50 °C (14 °F ~ 122 °F)
Ambient Operating Humidity *5		90 % or less	90 % or less	90 % or less
Supported Video Codec		H.264 / JPEG	H.264 / JPEG	H.264 / JPEG
Audio *6		2-Way	2-Way	2-Way
Supported Audio Codec		G.726(ADPCM) / G.711	G.726(ADPCM) / G.711	G.726(ADPCM) / G.711
SD Memory Card (Option)		SDXC / SDHC / SD	SDXC / SDHC / SD	SDXC / SDHC / SD
External I/O Terminals		ALARM IN 1, ALARM IN 2/ ALARM OUT, ALARM IN 3/ AUX OUT (x1 for each)	ALARM IN 1, ALARM IN 2/ ALARM OUT, ALARM IN 3/ AUX OUT (x1 for each)	ALARM IN 1, ALARM IN 2/ ALARM OUT, ALARM IN 3/ AUX OUT (x1 for each)
Analog Video Output		N/A	N/A	N/A
Built-in Microphone		N/A	N/A	Yes
Power Source		12 V DC / PoE	12 V DC / PoE	12 V DC / PoE
Others		Multiple H.264 & JPEG streaming, IP66 Rated, Vandal Resistant, Railway Application	Multiple H.264 & JPEG streaming, IP66 Rated, Vandal Resistant, Railway Application, M12 Connector	Multiple H.264 & JPEG streaming, Built-in microphone

Network Camera Comparison Chart

Model No.		WV-SW316L (Box)	WV-SW316 (Box)	WV-SW314 (Box) *NTSC only	WV-SP509 (Box)	WV-SP508 (Box)
						
Image Sensor		1/3 type MOS	1/3 type MOS	1/3 type MOS	1/3 type MOS	1/3 type MOS
Max. Video Resolution (pixel)		1,280×960	1,280×960	1,280×960	2,048 x 1,536	2,048 x 1,536
Wide Dynamic Range		Yes (Mega Super Dynamic)	Yes (Mega Super Dynamic)	Yes (Mega Super Dynamic)	Yes (Mega Super Dynamic)	Yes (Mega Super Dynamic)
Day / Night		Day & Night (IR)	Day & Night (IR)	Day & Night (electrical)	Day & Night (IR)	Day & Night (electrical)
Auto Back Focus		Yes	Yes	Focus Assist	Yes	Yes
VIQS (Variable Image Quality on Specified area)		Yes (1 area)	Yes (1 area)	Yes (1 area)	Yes (2 areas)	Yes (2 areas)
Min. Illumination	Color	0.3 lx (F1.3)	0.3 lx (F1.3)	0.3 lx (F1.3)	0.5 lx (F1.4)	0.5 lx (F1.4)
	Color (Sens Up)	0.019 lx@ 16x (F1.3)	0.019 lx@ 16x (F1.3)	0.019 lx@ 16x (F1.3)	0.03 lx@ 16x (F1.4)	0.03 lx@ 16x (F1.4)
	B/W	0 lx (F1.3) *7	0.05 lx (F1.3)	0.2 lx (F1.3)	0.06 lx (F1.4)	0.3 lx (F1.4)
	B/W (Sens Up)	—	0.003 lx@ 16x (F1.3)	0.013 lx@ 16x (F1.3)	0.004 lx@ 16x (F1.4)	0.02 lx@ 16x (F1.4)
Pan		N/A	N/A	N/A	N/A	N/A
Tilt		N/A	N/A	N/A	N/A	N/A
Zoom		6.4x extra*2/ 3.2x optical / 4x digital	6.4x extra*2/ 3.2x optical / 4x digital	7.2x extra*2/ 3.6x optical / 4x digital	3x extra*3 / 4x digital	3x extra*3 / 4x digital
Angular Field of View		H: 27.9 ° (Tele) ~ 90.6 ° (Wide) V: 20.9 ° (Tele) ~ 66.9 ° (Wide)	H: 27.9 ° (Tele) ~ 90.6 ° (Wide) V: 20.9 ° (Tele) ~ 66.9 ° (Wide)	H: 27.7 ° (Tele) ~ 100.3 ° (Wide) V: 20.8 ° (Tele) ~ 73.6 ° (Wide)	Lens: optional	Lens: optional
Ambient Operating Temperature		-40 °C ~ +50 °C (-22 °F ~ 122 °F)	-40 °C ~ +50 °C (-22 °F ~ 122 °F)	-10 °C ~ +50 °C (14 °F ~ 122 °F)	-10 °C ~ +50 °C (14 °F ~ 122 °F)	-10 °C ~ +50 °C (14 °F ~ 122 °F)
Ambient Operating Humidity *5		90 % or less	90 % or less	90 % or less	90 % or less	90 % or less
Supported Video Codec		H.264 / MPEG-4 / JPEG	H.264 / MPEG-4 / JPEG	H.264 / MPEG-4 / JPEG	H.264 / JPEG	H.264 / JPEG
Audio *6		2-way	2-way	N/A	2-way	N/A
Supported Audio Codec		G.726 (ADPCM) / G.711	G.726 (ADPCM) / G.711	N/A	G.726 (ADPCM) / G.711	N/A
SD Memory Card (Option)		SDHC / SD	SDHC / SD	N/A	SDXC / SDHC / SD	N/A
External I/O Terminals		1x ALARM IN / DAY/NIGHT IN 1x ALARM OUT 1x AUX OUT	1x ALARM IN / DAY/NIGHT IN 1x ALARM OUT 1x AUX OUT	N/A	1x ALARM IN 1 / DAY/NIGHT IN 1x ALARM IN 2 / ALARM OUT 1x ALARM IN 3 / AUX OUT	1x ALARM IN 1x ALARM OUT 1x AUX OUT
Analog Video Output		Monitor Out (for adjustment)	Monitor Out (for adjustment)	Monitor Out (for adjustment)	Monitor Out (for adjustment)	Monitor Out (for adjustment)
Built-in Microphone		N/A	N/A	N/A	N/A	N/A
Power Source		12 V DC / PoE	12 V DC / PoE	PoE	12 V DC / PoE	12 V DC / PoE
Others		Multiple H.264 & JPEG streaming, IP66 Rated, IR LED equipped	Multiple H.264 & JPEG streaming, IP66 Rated	Multiple H.264 & JPEG streaming, IP66 Rated	Multiple H.264 & JPEG streaming	Multiple H.264 & JPEG streaming

*1 extra optical zoom at 360p resolution
*2 extra optical zoom at VGA resolution

*3 extra zoom at 360p resolution
*4 extra zoom at VGA resolution

*5 without condensation
*6 Audio output requires included Audio/Video Cable

*7 when the IR LED is lit.

Network Camera Comparison Chart

[illegible]

Network Camera Comparison Chart

Model No.		WV-SW175 (Pan / Tilt)	WV-SW174W (Pan / Tilt)	WV-SW172 (Pan / Tilt)	WV-ST165 (Pan / Tilt)	WV-ST162 (Pan / Tilt)
		 Onvif	 Onvif	 Onvif	 Onvif	 Onvif
Image Sensor		1/4 type MOS	1/4 type MOS	1/4 type MOS	1/4 type MOS	1/4 type MOS
Max. Video Resolution (pixel)		1,280 x 960	1,280 x 960	800 x 600	1,280 x 960	800 x 600
Wide Dynamic Range		Yes (WDR)	Yes (WDR)	Yes (WDR)	Yes (WDR)	Yes (WDR)
Day / Night		Day & Night (electrical)	Day & Night (electrical)	Day & Night (electrical)	Day & Night (electrical)	Day & Night (electrical)
Auto Back Focus		N/A	N/A	N/A	N/A	N/A
VIQS (Variable Image Quality on Specified area)		N/A	N/A	N/A	N/A	N/A
Min. Illumination	Color	0.6 lx (F2.2)	0.6 lx (F2.2)	0.6 lx (F2.2)	0.6 lx (F2.2)	0.6 lx (F2.2)
	Color (Sens Up)	0.038 lx@ 16x (F2.2)	0.038 lx@ 16x (F2.2)	0.038 lx@ 16x (F2.2)	0.038 lx@ 16x (F2.2)	0.038 lx@ 16x (F2.2)
	B/W	0.5 lx (F2.2)	0.5 lx (F2.2)	0.5 lx (F2.2)	0.5 lx (F2.2)	0.5 lx (F2.2)
	B/W (Sens Up)	0.031 lx@ 16x (F2.2)	0.031 lx@ 16x (F2.2)	0.031 lx@ 16x (F2.2)	0.031 lx@ 16x (F2.2)	0.031 lx@ 16x (F2.2)
Pan		-47.5° ~ +47.5°	-47.5° ~ +47.5°	-47.5° ~ +47.5°	-47.5° ~ +47.5°	-47.5° ~ +47.5°
Tilt		-45° ~ +10°	-45° ~ +10°	-45° ~ +10°	-45° ~ +10°	-45° ~ +10°
Zoom		2x extra*4 / 8x digital	2x extra*4 / 8x digital	2x extra*4 / 8x digital	2x extra*4 / 8x digital	2x extra*4 / 8x digital
Angular Field of View		H: 85° / V: 68°	H: 85° / V: 68°	H: 85° / V: 68°	H: 85° / V: 68°	H: 85° / V: 68°
Ambient Operating Temperature		-20 °C ~ +50 °C (-4 °F ~ 122 °F)	-20 °C ~ +50 °C (-4 °F ~ 122 °F)	-20 °C ~ +50 °C (-4 °F ~ 122 °F)	0°C ~ +40°C (32°F ~ 104°F)	0°C ~ +40°C (32°F ~ 104°F)
Ambient Operating Humidity *5		90 % or less	90 % or less	90 % or less	90 % or less	90 % or less
Supported Video Codec		H.264 / JPEG	H.264 / JPEG	H.264 / JPEG	H.264 / JPEG	H.264 / JPEG
Audio *6		2-way	2-way	2-way	2-way	2-way
Supported Audio Codec		G.726 (ADPCM) / G.711	G.726 (ADPCM) / G.711	G.726 (ADPCM) / G.711	G.726 (ADPCM) / G.711	G.726 (ADPCM) / G.711
SD Memory Card (Option)		SDHC / SD	N/A	SDHC / SD	SDHC / SD	SDHC / SD
External I/O Terminals		1x ALARM IN 1 1x ALARM IN 2 / ALARM OUT 1x ALARM IN 3 / AUX OUT, GND, 12V DC	1x ALARM IN 1 1x ALARM IN 2 / ALARM OUT 1x ALARM IN 3 / AUX OUT, GND, 12V DC	1x ALARM IN 1 1x ALARM IN 2 / ALARM OUT 1x ALARM IN 3 / AUX OUT, GND, 12V DC	1x ALARM IN 1 1x ALARM IN 2 / ALARM OUT 1x ALARM IN 3 / AUX OUT, GND, 12V DC	1x ALARM IN 1 1x ALARM IN 2 / ALARM OUT 1x ALARM IN 3 / AUX OUT, GND, 12V DC
Analog Video Output		Monitor Out (for adjustment)	Monitor Out (for adjustment)	Monitor Out (for adjustment)	Monitor Out (for adjustment)	Monitor Out (for adjustment)
Built-in Microphone		Yes	Yes	Yes	Yes	Yes
Power Source		12 V DC / PoE	12 V DC	12 V DC / PoE	12 V DC / PoE	12 V DC / PoE
Others		Multiple H.264 & JPEG streaming, IP55 Rated,Built-in microphone	Multiple H.264 & JPEG streaming IP55 Rated, Wireless LAN (IEEE802.11n/g/b),Built-in microphone	Multiple H.264 & JPEG streaming IP55 Rated,Built-in microphone	Multiple H.264 & JPEG streaming, Built-in microphone	Multiple H.264 & JPEG streaming, Built-in microphone

*1 extra optical zoom at 360p resolution

*2 extra optical zoom at VGA resolution

*3 extra zoom at 360p resolution

*4 extra zoom at VGA resolution

*5 without condensation

*6 Audio output requires included Audio/Video Cable

*7 ALL BL-models include AC adaptors

Network Camera Comparison Chart

Model No.		BL-VT164W (Pan / Tilt)	BL-VT164 (Pan / Tilt)	BL-VP104W (Fixed)	BL-VP104 (Fixed)	BL-VP101 (Fixed)
		 ONVIF	 ONVIF			
Image Sensor		1/4 type MOS	1/4 type MOS	1/4 type MOS	1/4 type MOS	1/5 type MOS
Max. Video Resolution (pixel)		1,280 x 720	1,280 x 720	800 x 600	800 x 600	640 x 480
Wide Dynamic Range		N/A	N/A	N/A	N/A	N/A
Day / Night		Day & Night (electrical)	Day & Night (electrical)	Day & Night(electrical)	Day & Night(electrical)	Day & Night(electrical)
Auto Back Focus		N/A	N/A	N/A	N/A	N/A
VIQS (Variable Image Quality on Specified area)		N/A	N/A	N/A	N/A	N/A
Min. Illumination	Color	0.9 lx (F2.8)	0.9 lx (F2.8)	0.9 lx	0.9 lx	0.9 lx
	Color (Sens Up)	0.06 lx@ 16x (F2.8)	0.06 lx@ 16x (F2.8)	0.06 lx	0.06 lx	0.11 lx
	B/W	0.6 lx (F2.8)	0.6 lx (F2.8)	0.6 lx	0.6 lx	0.6 lx
	B/W (Sens Up)	0.04 lx@ 16x (F2.8)	0.04 lx@ 16x (F2.8)	0.04 lx	0.04 lx	0.18 lx
Pan		-41° ~ +41°	-41° ~ +41°	N/A	N/A	N/A
Tilt		-32° ~ +10°	-32° ~ +10°	N/A	N/A	N/A
Zoom		1.5 x extra*4 / 8x digital	1.5 x extra*4 / 8x digital	1.5x extra*4 / 4x digital	1.5x extra*4 / 4x digital	4x digital
Angular Field of View		H: 57 ° / V: 34 °	H: 57 ° / V: 34 °	H: 57 ° / V: 34 °	H: 57 ° / V: 34 °	H: 53 ° / V: 40.5 °
Ambient Operating Temperature		0 °C ~ +40 °C (32 °F ~ 104 °F)	0 °C ~ +40 °C (32 °F ~ 104 °F)	0 °C ~ 40 °C (32 °F ~ 104 °F)	0 °C ~ 40 °C (32 °F ~ 104 °F)	0 °C ~ 40 °C (32 °F ~ 104 °F)
Ambient Operating Humidity *5		90 % or less	90 % or less	90 % or less	90 % or less	90 % or less
Supported Video Codec		H.264 / JPEG	H.264 / JPEG	H.264 / JPEG	H.264 / JPEG	H.264 / JPEG
Audio		2-way	2-way	N/A	N/A	N/A
Supported Audio Codec		G.726 (ADPCM) / G.711	G.726 (ADPCM) / G.711	N/A	N/A	N/A
SD Memory Card (Option)		N/A	N/A	N/A	N/A	N/A
External I/O Terminals		1x ALARM IN 1 / 1x ALARM IN 2 / ALARM OUT , 1x ALARM IN 3 / AUX OUT, GND, 12V DC	1x ALARM IN 1 / 1x ALARM IN 2 / ALARM OUT , 1x ALARM IN 3 / AUX OUT, GND, 12V DC	N/A	N/A	N/A
Analog Video Output		N/A	N/A	N/A	N/A	N/A
Built-in Microphone		Yes	Yes	N/A	N/A	N/A
Power Source *7		9V DC	9V DC	6.5 V DC	6.5V DC	6.5V DC
Others		Multiple H.264 & JPEG streaming, Wireless LAN (IEEE802.11n/g/b),Built-in microphone	Multiple H.264 & JPEG streaming, Built-in microphone	Multiple H.264 & JPEG streaming	Multiple H.264 & JPEG streaming, Wireless LAN(IEEE802.11n/g/b)	Multiple H.264 & JPEG streaming



Trademarks and registered trademarks

- "Super Dynamic", "SDII", "SDIII", "SD5", "SD5Link", "SD6", "i-PRO" and "i-PRO SmartHD" logos are trademarks or registered trademarks of Panasonic Corporation.
- All other trademarks identified herein are the property of their respective owners.
- ONVIF and the ONVIF logo are trademarks of ONVIF Inc.

Important

- Safety Precaution: Carefully read the operating instructions and installation manual before using this product.
- Panasonic cannot be responsible for the performance of the network and/or other manufacturers' products used on the network.

Security Cautions

- When using the products in this catalog, take appropriate measures to avoid the following security breaches:
 - Disclosure of private information via the products.
 - Unauthorized use of products by a third party.
 - Interference or suspension of use of products by third party.

- Design and specifications are subject to change without notice.
- These products may be subject to export control regulations.

DISTRIBUTED BY:

Panasonic

<http://panasonic.net/security/>

<http://www.facebook.com/PanasonicNetworkCamera>

Printed in Japan (2B-007MA)