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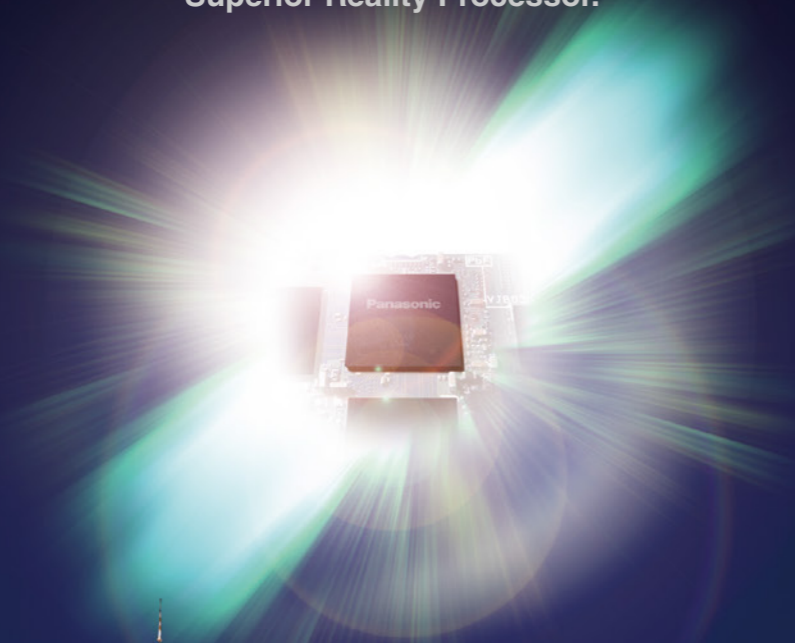
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(2B-014A)

Superior Reality Processor Concept

Panasonic's analog cameras will evolve into the next generation with Superior Reality Processor.



Superior Features

SD6

Super Dynamic

Super Wide Dynamic Range
+
Enhanced ABS

Advanced Features

Intelligent Resolution
Color Reproducibility
Proactive 2D/3D-DNR
Enhanced ABS (Adaptive Black Stretch)
Lens Distortion Compensation

Electrical Sense Up 512x
On Screen Display Menu
Auto Tracking
Scene Change Detection
Auto Image Stabilizer

Basic Features

Horizontal resolution **700 lines**
Min. Illumination **0.08 lx (color)**
0.008 lx (B/W)
0 lx (with IR LED)

Technology for Analog products



“**Superior Reality**” processor realizes much high efficiency, such as high resolution, color reproducibility, high sensitivity, lens distortion, auto tracking (PTZ camera only), scene change detection (fixed camera only), auto image stabilizer.



Panasonic Black Box Technology

SD Non-Linear Combined Algorithm

Super wide dynamic is improved in color reproducibility with new algorithm.

Enhanced ABS

Enhanced ABS processing improves dark area graduation and visibility around motion area, exceeding the human eye.

Proactive 2D/3D-DNR

Enhanced DNR processes image proactively with the combination of 2D DNR processing for the moving object with 3D DNR for the background.

Technology

Superior Features

SuperDynamic 6

Super Dynamic 6 delivers Superior image by fusion of Super Dynamic with Non-Linear Combined Algorithm and enhanced ABS (Adaptive Black Stretch). It not only features natural contrast reproduction, but also improves dark area graduation and visibility around motion area, exceeding the human eye.

Conventional



Superior Reality Processor



Advanced Features

Intelligent Resolution

This feature makes the blur image by an electronic zoom processing to clear image. It provide identification of the characters of a number plate, a note etc. by Superior Reality processor. So more effective surveillance system can be offered.

Conventional



Superior Reality Processor



Color Reproducibility

To ensure that what you see is the full range of natural color, the digital color circuitry in our Superior Reality processor processes color at a finer level of detail, enabling reproduction of even poorly illuminated or pale colors.

Conventional



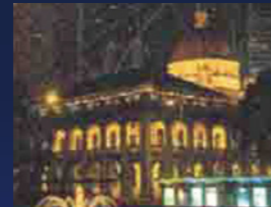
Superior Reality Processor



Proactive 2D/3D-DNR

The combination of 2D DNR processing for the moving object with 3D DNR for the background corrects movement-generated streaking. Now even the headlights of moving cars can be seen clearly, unmarred by the streaks of light produced by previous 3D DNR object-image processing.

Conventional



Superior Reality Processor

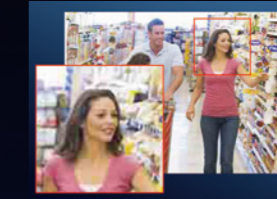


Basic Features

High Resolution

Superior Reality processor delivers color images with 650 lines (typical) of horizontal resolution, revealing the picture's smallest detail.

Conventional



Details are unclear.

Superior Reality Processor



The person can easily be identified with clear details.

High Sensitivity

Minimum illumination 0.08 lx allows color images even when lighting is dim.

When the situation is too dark, Electronic Sensitivity Enhancement and Day/Night feature further enhances the low light capability at 0.008 lx, ideal for 24-hour surveillance.

Conventional



Image is dark and unclear.

Superior Reality Processor



Clear image thanks to the high sensitivity.

Additional Value

Lens Distortion Compensation

The compensation of distortion with wide-angle lens enables the use of various lenses.

Electrical Sense Up 512x

This feature provides effective surveillance in low light condition by up to 512x of electrical sense up function.

On Screen Display Menu

This feature provides easy and useful configuration menu which implemented to all line-up models.

Auto Tracking (PTZ camera only)

This feature automatically follows the largest moving object in the image, causing the camera to pan and tilt to keep the object in the center of the image.

Scene Change Detection










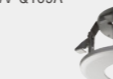



This feature detects interference and sends an alarm signal when the camera's operation has been hampered.

Auto Image Stabilizer

Automatic image stabilization prevents blurring under the condition by vibration from high winds, aircraft, trains, or large trucks.













Analog Camera Comparison chart

NTSC







Camera Type		PTZ		Dome	
Indoor / Outdoor		Outdoor	Indoor	Outdoor	
Series		WV-CW590 Series	WV-CS580 Series	WV-CW630 Series	WV-CW500 Series
Model Name (TV System)		WV-CW594 WV-CW594A	WV-CS584	WV-CW634S (Surface mount) WV-CW634F (Flush mount)	WV-CW504S (Surface mount) WV-CW504F (Flush mount)
Appearance					
Sensor		1/4 type interline transfer CCD	1/4 type interline transfer CCD	1/3 type interline transfer CCD	1/3 type interline transfer CCD
Resolution	Horizontal	650 TV lines	650 TV lines	700 TV lines or more	650 TV lines
Super Dynamic / WDR / BLC		Super-D	Super-D	Super-D	Super-D
Day/Night		Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
Focus Adjustment		Auto Focus	Auto Focus	ABF	ABF
Built-in IR LED		—	—	—	—
Min. Illumination	Color	0.5 lx	0.5 lx	0.08 lx	0.1 lx
	Color (Sens up)	0.016 lx	0.016 lx	0.0024 lx	0.003 lx
	B/W	0.04 lx	0.04 lx	0.008 lx	0.01 lx
	B/W (Sens up)	0.0013 lx	0.0013 lx	0.00024 lx	0.0003 lx
Lens		f= 3.3 to 119 mm, F1.4	f= 3.3 to 119 mm, F1.4	f= 3.8 to 8.0 mm, F1.4	f= 3.8 to 8.0 mm, F1.4
Angular field of view		H: 1.7° (Tele) to 60.2° (Wide) V: 1.3° (Tele) to 46.0° (Wide)	H: 1.7° (Tele) to 60.2° (Wide) V: 1.3° (Tele) to 46.0° (Wide)	H: 33.6° (Tele) to 74.9° (Wide) V: 25.2° (Tele) to 55.7° (Wide)	H: 35.6° (Tele) to 73.6° (Wide) V: 26.6° (Tele) to 53.4° (Wide)
Adjusting Angle	Pan	360° endless	360° endless	±170°	±170°
	Tilt	-5° to 185° (horizontal - vertical - horizontal)	-5° to 185° (horizontal - vertical - horizontal)	±75°	±75°
	Optical Zoom	36x	36x	2.1x	2.1x
	Digital Zoom	20x	20x	2x	2x
VMD (Video Motion Detection)		Yes	Yes	Yes	Yes
i-VMD (Intelligent VMD)		Scene Change	Scene Change	Scene Change	Scene Change / Object (remove/ left behind)
Camera title (OSD)		Yes	Yes	Yes	Yes
External I/O		4 inputs (ALARM IN 1 - ALARM IN 4) 2 outputs (ALARM / AUX1, BW / AUX2)	4 inputs (ALARM IN 1 - ALARM IN 4) 2 outputs (ALARM / AUX1, BW / AUX2)	—	—
Vandal Resistant		—	—	IEC 60068-2-75 test Eh, 50J	IEC 60068-2-75 test Eh, 50J
Water and Dust Resistance		IP66	—	IP66	IP66
Dehumidification device		—	—	—	Yes
Temperature		-50 °C to 50 °C	-10 °C to 50 °C	-10 °C to 60 °C -30 °C to 60 °C (With optional heater)	-10 °C to 50 °C -30 °C to 50 °C (With optional heater)
Power Source		24 V AC	24 V AC	24 V AC or 12 V DC	24 V AC or 12 V DC
Other Functions		WV-CW594A : Rain wash coating	—	—	—
Options	Smoke Dome Cover	—	Smoke Dome Cover WV-CS4SA 	Smoke Dome Cover WV-CW4SA 	Smoke Dome Cover WV-CW4SA 
	Bracket	Wall Mount Bracket WV-Q122A 	Ceiling Mount Bracket WV-Q105A 	Mount Bracket (for WV-CW634F) WV-Q115A 	Mount Bracket (for WV-CW504F) WV-Q115A 
		Ceiling Mount Bracket WV-Q126A 	Embedded Ceiling Mount Bracket WV-Q126A 	—	—
		Ceiling Mount Bracket WV-Q121B 	Pendant Mount Bracket WV-Q117A 	Embedded Ceiling Mount Bracket WV-Q169A 	Embedded Ceiling Mount Bracket WV-Q169A 
	Heater Unit	—	Wall Mount Bracket WV-Q118B 	Heater Unit WV-CW5HA 	Heater Unit WV-CW5HA 

Analog Camera Comparison chart




NTSC

Camera Type		Dome			
Indoor / Outdoor		Outdoor		Indoor	
Series		WV-CW334S	WV-CW364S	WV-CF600 Series	
Model Name (TV System)		WV-CW334S	WV-CW364S	WV-CF624	WV-CF634
Appearance					
Sensor		1/3 type interline transfer CCD	1/3 type interline transfer CCD	1/3 type interline transfer CCD	1/3 type interline transfer CCD
Resolution	Horizontal	540 TV lines	540 TV lines	650 TV lines	650 TV lines
Super Dynamic / WDR / BLC		BLC	BLC	Super-D	Super-D
Day/Night		Yes (Electrical)	Yes (ICR)	Yes (ICR)	Yes (ICR)
Focus Adjustment		Manual	Manual	Manual	ABF
Built-in IR LED		—	—	—	—
Min. Illumination	Color	0.6 lx	0.6 lx	0.08 lx	0.08 lx
	Color (Sens up)	—	—	0.0025 lx	0.0025 lx
	B/W	0.4 lx	0.05 lx	0.008 lx	0.008 lx
	B/W (Sens up)	—	—	0.0003 lx	0.0003 lx
Lens		f= 2.8 to 10 mm, F1.3	f= 2.8 to 10 mm, F1.3	f= 2.8 to 10 mm, F1.4	f= 2.8 to 10 mm, F1.4
Angular field of view		H: 27.39° (Tele) to 100.18° (Wide) V: 20.45° (Tele) to 73.33° (Wide)	H: 27.39° (Tele) to 100.5° (Wide) V: 20.45° (Tele) to 73.51° (Wide)	H: 27.6° (Tele) to 100.8° (Wide) V: 20.7° (Tele) to 73.8° (Wide)	H: 27.6° (Tele) to 100.8° (Wide) V: 20.7° (Tele) to 73.8° (Wide)
Adjusting Angle	Pan	180° to -140°	180° to -140°	180° to -170°	180° to -170°
	Tilt	±75°	±75°	±90°	±90°
	Optical Zoom	3.6x	3.6x	3.6x	3.6x
	Digital Zoom	—	—	2x	2x
VMD (Video Motion Detection)		—	—	Yes	Yes
i-VMD (Intelligent VMD)		—	—	Scene Change	Scene Change
Camera title (OSD)		—	—	Yes	Yes
External I/O		—	—	—	—
Vandal Resistant		IEC 60068-2-75 test Eh, 50J	IEC 60068-2-75 test Eh, 50J	—	—
Water and Dust Resistance		IP66	IP66	—	—
Dehumidification device		Yes	Yes	—	—
Temperature		-10 °C to 50 °C -30 °C to 50 °C (With optional heater)	-10 °C to 50 °C -30 °C to 50 °C (With optional heater)	-10 °C to 50 °C	-10 °C to 50 °C
Power Source		24 V AC or 12 V DC	24 V AC or 12 V DC	24 V AC or 12 V DC	24 V AC or 12 V DC
Other Functions		—	—	—	—
Options	Smoke Dome Cover	Smoke Dome Cover WV-CW4SA 	Smoke Dome Cover WV-CW4SA 	—	—
	Bracket	Embedded Ceiling Mount Bracket WV-Q169A 	Embedded Ceiling Mount Bracket WV-Q169A 	Embedded Ceiling Mount Bracket (Sail white) WV-Q174B 	Embedded Ceiling Mount Bracket (Sail white) WV-Q174B 
		Heater Unit	Heater Unit WV-CW5HA 	Heater Unit WV-CW5HA 	—

Analog Camera Comparison chart **NTSC**


















Camera Type		Dome			BOX
Indoor / Outdoor		Indoor			Outdoor
Series		WV-CF344	WV-CF354	WV-CF300L Series	WV-CW300L Series
Model Name (TV System)		WV-CF344	WV-CF354	WV-CF314L	WV-CW314L
Appearance					
Sensor		1/3 type interline transfer CCD	1/3 type interline transfer CCD	1/3 type interline transfer CCD	1/3 type interline transfer CCD
Resolution	Horizontal	650 TV lines	650 TV lines	650 TV lines	650 TV lines
Super Dynamic / WDR / BLC		BLC	BLC	BLC	BLC
Day/Night		Yes (Electrical)	Yes (Electrical)	Yes (ICR)	Yes (ICR)
Focus Adjustment		Focus Assist	ABF	ABF	ABF
Built-in IR LED (Irradiation distance)		—	—	Yes (20 m)	Yes (50 m)
Min. Illumination	Color	0.08 lx	0.08 lx	0.08 lx	0.08 lx
	Color (Sens up)	0.0025 lx	0.0025 lx	0.0025 lx	0.0025 lx
	B/W	0.05 lx	0.05 lx	0 lx (with IR LED)	0 lx (with IR LED)
	B/W (Sens up)	0.0016 lx	0.0016 lx	—	—
Lens		f= 2.8 to 10 mm, F1.4	f= 2.8 to 10 mm, F1.4	f= 2.8 to 10 mm, F1.3	f= 2.8 to 10 mm, F1.3
Angular field of view		H: 27.6° (Tele) to 100.3° (Wide) V: 20.7° (Tele) to 73.5° (Wide)	H: 27.8° (Tele) to 100.3° (Wide) V: 20.9° (Tele) to 73.4° (Wide)	H: 27.65° (Tele) to 100.8° (Wide) V: 20.75° (Tele) to 73.85° (Wide)	H: 27.65° (Tele) to 100.8° (Wide) V: 20.75° (Tele) to 73.85° (Wide)
Adjusting Angle	Pan	180° to -170°	180° to -170°	180° to -170°	—
	Tilt	±90°	±90°	0 to 75 °	—
	Optical Zoom	3.6x	3.6x	3.6x	3.6x
	Digital Zoom	2x	2x	2x	2x
VMD (Video Motion Detection)		Yes	Yes	Yes	Yes
i-VMD (Intelligent VMD)		Scene Change	Scene Change	Scene Change	Scene Change
Camera title (OSD)		Yes	Yes	Yes	Yes
External I/O		—	—	—	—
Vandal Resistant		—	—	—	—
Water and Dust Resistance		—	—	—	IP66
Dehumidification device		—	—	—	—
Temperature		-10 °C to 50 °C	-10 °C to 50 °C	-10 °C to 50 °C	-10 °C to 50 °C
Power Source		24 V AC or 12 V DC	24 V AC or 12 V DC	24 V AC or 12 V DC	24 V AC or 12 V DC
Other Functions		—	—	—	—
Options	Smoke Dome Cover	—	—	—	—
	Bracket	Embedded Ceiling Mount Bracket (Sail white) WV-Q174B 	Embedded Ceiling Mount Bracket (Sail white) WV-Q174B 	—	—
	Heater Unit	—	—	—	—

Analog Camera Comparison chart **NTSC**

Camera Type		BOX			
Indoor / Outdoor		Indoor			
Series		WV-CP630 Series	WV-CP600 Series	WV-CP300 Series	
Model Name (TV System)		WV-CP630 WV-CP634	WV-CP620 WV-CP624	WV-CP300 WV-CP304	WV-CP310 WV-CP314
Appearance					
Sensor		1/3 type interline transfer CCD	1/3 type interline transfer CCD	1/3 type interline transfer CCD	1/3 type interline transfer CCD
Resolution	Horizontal	700 TV lines	650 TV lines	650 TV lines	650 TV lines
Super Dynamic / WDR / BLC		Super-D	Super-D	BLC	BLC
Day/Night		Yes (ICR)	Yes (ICR)	Yes (Electrical)	Yes (ICR)
Focus Adjustment		ABF	Focu Assist	Focu Assist	Focu Assist
Built-in IR LED		—	—	—	—
Min. Illumination	Color	0.08 lx	0.08 lx	0.08 lx	0.08 lx
	Color (Sens up)	0.003 lx	0.0025 lx	0.0025 lx	0.0025 lx
	B/W	0.008 lx	0.008 lx	0.05 lx	0.008 lx
	B/W (Sens up)	0.0003 lx	0.00025 lx	0.0016 lx	0.00025 lx
Lens		optional	optional	optional	optional
Angular field of view		—	—	—	—
Adjusting Angle	Pan	—	—	—	—
	Tilt	—	—	—	—
	Optical Zoom	—	—	—	—
	Digital Zoom	2x	2x	2x	2x
VMD (Video Motion Detection)		Yes	Yes	Yes	Yes
i-VMD (Intelligent VMD)		Scene Change	Scene Change	Scene Change	Scene Change
Camera title (OSD)		Yes	Yes	Yes	Yes
External I/O		ALARM IN : 1 (OFF / ALARM / VMD PERMIT / BW) ALARM OUT : 1 (OFF / ALARM / BW)	Alarm IN 1pc, Alarm OUT 1pc	—	—
Vandal Resistant		—	—	—	—
Water and Dust Resistance		—	—	—	—
Dehumidification device		—	—	—	—
Temperature		-10 °C to 50 °C	-10 °C to 50 °C	-10 °C to 50 °C	-10 °C to 50 °C
Power Source		WV-CP630 : 120 V AC WV-CP634 : 12 V DC or 24 V AC	WV-CP620 : 120 V AC WV-CP624 : 12 V DC or 24 V AC	WV-CP300 : 120 V AC WV-CP304 : 12 V DC or 24 V AC	WV-CP310 : 120 V AC WV-CP314 : 12 V DC or 24 V AC
Other Functions		—	—	—	—
Options	Smoke Dome Cover	—	—	—	—
	Bracket	—	—	—	—
	Heater Unit	—	—	—	—













Analog Camera Comparison chart

PAL

Camera Type		PTZ		Dome	
Indoor / Outdoor		Outdoor	Indoor	Outdoor	
Series		WV-CW590 Series	WV-CS580 Series	WV-CW630 Series	WV-CW500 Series
Model Name (TV System)		WV-CW590 / WV-CW590A WV-CW594 / WV-CW594A	WV-CS580 WV-CS584	WV-CW630S WV-CW634S	WV-CW500S WV-CW504S
Appearance					
Sensor		1/4 type interline transfer CCD	1/4 type interline transfer CCD	1/3 type interline transfer CCD	1/3 type interline transfer CCD
Resolution	Horizontal	650 TV lines	650 TV lines	650 TV lines (color mode) 700 TV lines or more (BW mode)	650 TV lines (color mode) 700 TV lines or more (BW mode)
	Vertical	480 TV lines	480 TV lines	480 TV lines (color mode) 500 TV lines or more (BW mode)	480 TV lines (color mode) 500 TV lines or more (BW mode)
Super Dynamic / WDR / BLC		Super-D	Super-D	Super-D	Super-D
Day/Night		Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
Focus Adjustment		Auto Focus	Auto Focus	ABF	ABF
Built-in IR LED		—	—	—	—
Min. Illumination	Color	0.5 lx	0.5 lx	0.08 lx	0.1 lx
	Color (Sens up)	0.016 lx	0.016 lx	0.0024 lx	0.003 lx
	B/W	0.04 lx	0.04 lx	0.008 lx	0.01 lx
	B/W (Sens up)	0.0013 lx	0.0013 lx	0.00024 lx	0.0003 lx
Lens		f= 3.3 to 119 mm, F1.4	f= 3.3 to 119 mm, F1.4	f=3.8 to 8.0 mm, F1.4	f= 3.8 to 8.0 mm, F1.4
Angular field of view		H: 1.7° (Tele) to 60.2° (Wide) V: 1.3° (Tele) to 46.0° (Wide)	H: 1.7° (Tele) to 60.2° (Wide) V: 1.3° (Tele) to 46.0° (Wide)	H: 33.6° (Tele) to 74.9° (Wide) V: 25.1° (Tele) to 55.4° (Wide)	H: 35.6° (Tele) to 73.6° (Wide) V: 26.6° (Tele) to 53.4° (Wide)
Adjusting Angle	Pan	360° endless	360° endless	±170°	±170°
	Tilt	-5° to 185° (horizontal - vertical - horizontal)	-5° to 185° (horizontal - vertical - horizontal)	±75°	±75°
	Optical Zoom	36x	36x	2.1x	2.1x
	Digital Zoom	20x	20x	2x	2x
VMD (Video Motion Detection)		Yes	Yes	Yes	Yes
i-VMD (Intelligent VMD)		Scene Change	Scene Change	Scene Change	Scene Change / Object (remove/ left behind)
Camera title (OSD)		Yes	Yes	Yes	Yes
External I/O		4 inputs (ALARM IN 1 - ALARM IN 4) 2 outputs (ALARM / AUX1, BW / AUX2)	4 inputs (ALARM IN 1 - ALARM IN 4) 2 outputs (ALARM / AUX1, BW / AUX2)	—	—
Vandal Resistant		—	—	IEC 60068-2-75 test Eh, 50J	IEC 60068-2-75 test Eh, 50J
Water and Dust Resistance		IP66	—	IP66	IP66
Dehumidification device		—	—	—	Yes
Temperature		-50 °C to 50 °C	-10 °C to 50 °C	-10 °C to 60 °C -30 °C to 60 °C (With optional heater)	-10 °C to 50 °C -30 °C to 50 °C (With optional heater)
Power Source		WV-CW590 / WV-CW590A : 220-240 V AC WV-CW594 / WV-CW594A : 24 V AC	WV-CS580 : 220-240 V AC WV-CS584 : 24 V AC	WV-CW630S : 220-240 V AC WV-CW634S : 24 V AC or 12 V DC	WV-CW500S : 220-240 V AC WV-CW504S : 24 V AC or 12 V DC
Other Functions		WV-CW590A / WV-CW594A : Rain wash coating	—	—	—
Options	Smoke Dome Cover	—	Smoke Dome Cover WV-CS4SA 	Smoke Dome Cover WV-CW4SA 	Smoke Dome Cover WV-CW4SA 
	Bracket	Wall Mount Bracket WV-Q122A 	Ceiling Mount Bracket WV-Q105A 	Embedded Ceiling Mount Bracket WV-Q169A 	Embedded Ceiling Mount Bracket WV-Q169A 
		Embedded Ceiling Mount Bracket WV-Q126A 	Embedded Ceiling Mount Bracket WV-Q169A 		
		Ceiling Mount Bracket WV-Q121B 	Pendant Mount Bracket WV-Q117A 		
	Heater Unit	—	—	Heater Unit WV-CW5HA 	Heater Unit WV-CW5HA 









Analog Camera Comparison chart

PAL

Camera Type		Dome			
Indoor / Outdoor		Outdoor		Indoor	
Series		WV-CW334S	WV-CW364S	WV-CF600 Series	
Model Name (TV System)		WV-CW334S	WV-CW364S	WV-CF614	WV-CF634
Appearance					
Sensor		1/3 type interline transfer CCD	1/3 type interline transfer CCD	1/3 type interline transfer CCD	1/3 type interline transfer CCD
Resolution	Horizontal	540 TV lines	540 TV lines	650 TV lines	650 TV lines
	Vertical	480 TV lines	480 TV lines	480 TV lines	480 TV lines
Super Dynamic / WDR / BLC		BLC	BLC	Super-D	Super-D
Day/Night		Yes (Electrical)	Yes (ICR)	Yes (ICR)	Yes (ICR)
Focus Adjustment		Manual	Manual	ABF	ABF
Built-in IR LED		—	—	—	—
Min. Illumination	Color	0.6 lx	0.6 lx	0.08 lx	0.08 lx
	Color (Sens up)	—	—	0.0025 lx	0.0025 lx
	B/W	0.4 lx	0.05 lx	0.05 lx	0.008 lx
	B/W (Sens up)	—	—	0.0002 lx	0.0003 lx
Lens		f= 2.8 to 10 mm, F1.3	f= 2.8 to 10 mm, F1.3	f= 2.8 to 10 mm, F1.4	f= 2.8 to 10 mm, F1.4
Angular field of view		H: 27.39° (Tele) to 100.18° (Wide) V: 20.45° (Tele) to 73.33° (Wide)	H: 27.39° (Tele) to 100.5° (Wide) V: 20.45° (Tele) to 73.51° (Wide)	H: 27.8° (Tele) to 100.3° (Wide) V: 20.9° (Tele) to 73.4° (Wide)	H: 27.6° (Tele) to 100.8° (Wide) V: 20.7° (Tele) to 73.8° (Wide)
Adjusting Angle	Pan	180° to -140°	180° to -140°	180° to -170°	180° to -170°
	Tilt	±75°	±75°	±90°	±90°
	Optical Zoom	3.6x	3.6x	3.6x	3.6x
	Digital Zoom	—	—	2x	2x
VMD (Video Motion Detection)		—	—	Yes	Yes
i-VMD (Intelligent VMD)		—	—	Scene Change	Scene Change
Camera title (OSD)		—	—	Yes	Yes
External I/O		—	—	—	—
Vandal Resistant		IEC 60068-2-75 test Eh, 50J	IEC 60068-2-75 test Eh, 50J	—	—
Water and Dust Resistance		IP66	IP66	—	—
Dehumidification device		Yes	Yes	—	—
Temperature		-10 °C to 50 °C -30 °C to 50 °C (With optional heater)	-10 °C to 50 °C -30 °C to 50 °C (With optional heater)	-10 °C to 50 °C	-10 °C to 50 °C
Power Source		24 V AC or 12 V DC	24 V AC or 12 V DC	24 V AC or 12 V DC	24 V AC or 12 V DC
Other Functions		—	—	—	—
Options	Smoke Dome Cover	Smoke Dome Cover WV-CW4SA 	Smoke Dome Cover WV-CW4SA 	—	—
	Bracket	Embedded Ceiling Mount Bracket WV-Q169A 	Embedded Ceiling Mount Bracket WV-Q169A 	Embedded Ceiling Mount Bracket (Sail white) WV-Q174B 	Embedded Ceiling Mount Bracket (Sail white) WV-Q174B 
		Heater Unit	Heater Unit WV-CW5HA 	Heater Unit WV-CW5HA 	—





Analog Camera Comparison chart

PAL

Camera Type		Dome				
Indoor / Outdoor		Indoor				
Series		WV-CF300L Series				
Model Name (TV System)		WV-CF344	WV-CF354	WV-CF374	WV-CF304L	WV-CF314L
Appearance						
Sensor		1/3 type interline transfer CCD	1/3 type interline transfer CCD	1/3 type interline transfer CCD	1/3 type interline transfer CCD	1/3 type interline transfer CCD
Resolution	Horizontal	650 TV lines	650 TV lines	650 TV lines	650 TV lines	650 TV lines
Super Dynamic / WDR / BLC		BLC	BLC	BLC	BLC	BLC
Day/Night		Yes (Electrical)	Yes (Electrical)	Yes (ICR)	Yes (ICR)	Yes (ICR)
Focus Adjustment		Focus Assist	ABF	Focus Assist	Focus Assist	ABF
Built-in IR LED (Irradiation distance)		—	—	—	Yes (10m)	Yes (20m)
Min. Illumination	Color	0.08 lx	0.08 lx	0.08 lx	0.15 lx	0.08lx
	Color (Sens up)	0.0025 lx	0.0025 lx	0.0025 lx	0.005 lx	0.0025 lx
	B/W	0.05 lx	0.05 lx	0.008 lx	0 lx (with IR LED)	0 lx (with IR LED)
	B/W (Sens up)	0.0016 lx	0.0016 lx	0.0003 lx	—	—
Lens		f= 2.8 to 10 mm, F1.4	f= 2.8 to 10 mm, F1.4	f= 2.8 to 10 mm, F1.4	f= 2.8 mm, F1.3	f= 2.8 to 10 mm, F1.3
Angular field of view		H: 27.6° (Tele) to 100.3° (Wide) V: 20.7° (Tele) to 73.5° (Wide)	H: 27.8° (Tele) to 100.3° (Wide) V: 20.9° (Tele) to 73.4° (Wide)	H: 27.6° (Tele) to 100.8° (Wide) V: 20.7° (Tele) to 73.8° (Wide)	H: 101.5° V: 75°	H: 27.65° (Tele) to 100.8° (Wide) V: 20.75° (Tele) to 73.85° (Wide)
Adjusting Angle	Pan	180° to -170°	180° to -170°	180° to -170°	180° to -170°	180° to -170°
	Tilt	±90°	±90°	±90°	0 to 75 °	0 to 75 °
	Optical Zoom	3.6x	3.6x	3.6x	—	3.6x
	Digital Zoom	2x	2x	2x	2x	2x
VMD (Video Motion Detection)		Yes	Yes	Yes	Yes	Yes
i-VMD (Intelligent VMD)		Scene Change	Scene Change	Scene Change	Scene Change	Scene Change
Camera title (OSD)		Yes	Yes	Yes	Yes	Yes
External I/O		—	—	—	—	—
Vandal Resistant		—	—	—	—	—
Water and Dust Resistance		—	—	—	—	—
Dehumidification device		—	—	—	—	—
Temperature		-10 °C to 50 °C	-10 °C to 50 °C	-10 °C to 50 °C	-10 °C to 50 °C	-10 °C to 50 °C
Power Source		24 V AC or 12 V DC	24 V AC or 12 V DC	24 V AC or 12 V DC	24 V AC or 12 V DC	24 V AC or 12 V DC
Other Functions		—	—	—	—	—
Options	Smoke Dome Cover	—	—	—	—	—
	Bracket	Embedded Ceiling Mount Bracket (Sail white) WV-Q174B 	Embedded Ceiling Mount Bracket (Sail white) WV-Q174B 	Embedded Ceiling Mount Bracket (Sail white) WV-Q174B 	—	—
	Heater Unit	—	—	—	—	—









Analog Camera Comparison chart

PAL

Camera Type		BOX			
Indoor / Outdoor		Outdoor			Indoor
Series		WV-CW300L Series			WV-CP630 Series
Model Name (TV System)		WV-CW304L	WV-CW314L	WV-CW324L	WV-CP630 WV-CP634
Appearance					
Sensor		1/3 type interline transfer CCD	1/3 type interline transfer CCD	1/3 type interline transfer CCD	1/3 type interline transfer CCD
Resolution	Horizontal	650 TV lines	650 TV lines	650 TV lines	700 TV lines
Super Dynamic / WDR / BLC		BLC	BLC	BLC	Super-D
Day/Night		Yes (ICR)	Yes (ICR)	Yes (ICR)	Yes (ICR)
Focus Adjustment		Focus Assist	ABF	ABF	ABF
Built-in IR LED		Yes (20m)	Yes (50m)	Yes (50m)	—
Min. Illumination	Color	0.15 lx	0.08 lx	0.08 lx	0.08 lx
	Color (Sens up)	0.005 lx	0.0025 lx	0.0025 lx	0.003 lx
	B/W	0 lx (with IR LED)	0 lx (with IR LED)	0 lx (with IR LED)	0.008 lx
	B/W (Sens up)	—	—	—	0.0003 lx
Lens		f= 2.8 mm, F1.3	f= 2.8 to 10 mm, F1.3	f= 9 to 22 mm, F1.3	optional
Angular field of view		H: 101.5° V: 75°	H: 27.65°(Tele) to 100.8°(Wide) V: 20.75°(Tele) to 73.85°(Wide)	H: 12.41°(Tele) to 30.95°(Wide) V: 9.33°(Tele) to 23.46°(Wide)	—
Adjusting Angle	Pan	—	—	—	—
	Tilt	—	—	—	—
	Optical Zoom	—	3.6x	2.4x	—
	Digital Zoom	2x	2x	2x	2x
VMD (Video Motion Detection)		Yes	Yes	Yes	Yes
i-VMD (Intelligent VMD)		Scene Change	Scene Change	Scene Change	Scene Change
Camera title (OSD)		Yes	Yes	Yes	Yes
External I/O		—	—	—	ALARM IN : 1 (OFF / ALARM / VMD PERMIT / BW) ALARM OUT : 1 (OFF / ALARM / BW)
Vandal Resistant		—	—	—	—
Water and Dust Resistance		IP66	IP66	IP66	—
Dehumidification device		—	—	—	—
Temperature		-10 °C to 50 °C	-10 °C to 50 °C	-10 °C to 50 °C	-10 °C to 50 °C
Power Source		24 V AC or 12 V DC	24 V AC or 12 V DC	24 V AC or 12 V DC	WV-CP630 : 220-240 V AC WV-CP634 : 24 V AC or 12 V DC
Other Functions		—	—	—	—
Options	Smoke Dome Cover	—	—	—	—
	Bracket	—	—	—	—
	Heater Unit	—	—	—	—

Analog Camera Comparison chart

PAL

Camera Type		Box			
Indoor / Outdoor		Indoor			
Series		WV-CP600 Series		WV-CP300 Series	
Model Name (TV System)		WV-CP600 WV-CP604	WV-CP620 WV-CP624	WV-CP300 WV-CP304	WV-CP310 WV-CP314
Appearance					
					
Sensor		1/3 type interline transfer CCD		1/3 type interline transfer CCD	
Resolution	Horizontal	650 TV lines		650 TV lines	
Super Dynamic / WDR / BLC		Super-D		BLC	
Day/Night		Yes (ICR)		Yes (ICR)	
Focus Adjustment		Focu Assist		Focu Assist	
Built-in IR LED		—		—	
Min. Illumination	Color	0.08 lx		0.08 lx	
	Color (Sens up)	0.0025 lx		0.0025 lx	
	B/W	0.05 lx		0.008 lx	
	B/W (Sens up)	0.002 lx		0.00025 lx	
Lens		optional		optional	
Angular field of view		—		—	
Adjusting Angle	Pan	—		—	
	Tilt	—		—	
	Optical Zoom	—		—	
	Digital Zoom	2x		2x	
VMD (Video Motion Detection)		Yes		Yes	
i-VMD (Intelligent VMD)		Scene Change		Scene Change	
Camera title (OSD)		Yes		Yes	
External I/O		Alarm IN 1pc, Alarm OUT 1pc		—	
Vandal Resistant		—		—	
Water and Dust Resistance		—		—	
Dehumidification device		—		—	
Temperature		-10 °C to 50 °C		-10 °C to 50 °C	
Power Source		WV-CP600 : 220-240 V AC WV-CP604 : 12 V DC or 24 V AC		WV-CP620 : 220-240 V AC WV-CP624 : 12 V DC or 24 V AC	
Other Functions		—		—	
Options	Smoke Dome Cover	—		—	
	Bracket	—		—	
	Heater Unit	—		—	

Digital Video Recorders

16ch Real-time H.264 Digital Disk Recorder
WJ-HD716
(120 V AC: NTSC, 220 V - 240 V AC: PAL)

16ch H.264 Digital Disk Recorder
WJ-HD616
(120 V AC: NTSC, 220 V - 240 V AC: PAL)



SD5 Link
Super Dynamic 5 Link

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

- Dual HDMI Full HD 1080i (1,920 x 1,080) display
- H.264 (High Profile) codec reduces bandwidth by up to 40 % compared with MPEG-4
- SD5Link (Super Dynamic 5 Link) with i-VMD (intelligent-Video Motion Detection) alarm
- Real-time recording (WJ-HD716) and 16ch 2x monitors real-time live
- Up to 31 HDD slots with 4 HDD slots in the main unit and three WJ-HDE400 optional Extension Units each with 9 HDD slots

Optional Accessories

HDD Canister
WJ-HDU40K

RAID Board
**WJ-HDB601,
WJ-HDB601A**

Built-in DVD Drive
**WJ-HDB611,
WJ-HDB611A**

Hard Disk Extension Unit
WJ-HDE400


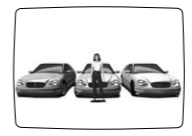
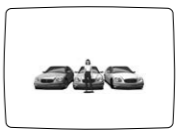
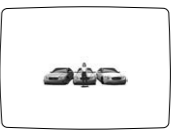
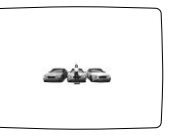









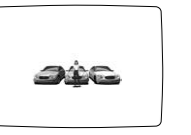







Lenses

1/3 type Variable Focal Lenses	2x Variable WV-LZA61/2S 3.8 mm to 8 mm F1.4 (wide) F1.8 (tele)	8x Variable WV-LZ62/8S 5 mm to 40 mm F1.6 (wide) F1.9 (tele)
		
Focal Length	3.8 mm to 8 mm	5 mm to 40 mm
Iris Type	Automatic	Automatic
Optical Filter Size	M30.5 mm, P = 0.5 mm	None
Mount	Special C-Mount, (CS-Mount, 1-32UN)	Special C-Mount, (CS-Mount, 1-32UN)
Dimensions (W x H x D)	60.5 mm x 53 mm x 45.3 mm	61 mm x 52 mm x 65 mm

Lens Selection Chart

The examples displayed below are monitor images captured with 1/3 type cameras, illustrating the relationship between lens focal length and the capture image. Use these images to select the type of lens best suited to your application.

Lens and Focal Length	Distance between Camera and Subject				
	2 m	4 m	6 m	8 m	10 m
2x Variable Focal WV-LZA61/2S (3.8 mm to 8 mm)	3.8 mm (Wide)  Ratio 84% 2.5(W) m x 1.9(H) m	 Ratio 42% 5.1(W) m x 3.8(H) m	 Ratio 28% 7.6(W) m x 5.7(H) m	 Ratio 21% 10.1(W) m x 7.6(H) m	 Ratio 17% 12.6(W) m x 9.5(H) m
	8 mm (Standard)  Ratio 178% 1.2(W) m x 0.9(H) m	 Ratio 89% 2.4(W) m x 1.8(H) m	 Ratio 59% 3.6(W) m x 2.7(H) m	 Ratio 44% 4.8(W) m x 3.6(H) m	 Ratio 36% 6.0(W) m x 4.5(H) m
8x Variable Focal WV-LZ62/8S (5 mm to 40 mm)	5 mm (Wide)  Ratio 111% 1.9(W) m x 1.4(H) m	 Ratio 56% 3.8(W) m x 2.9(H) m	 Ratio 37% 5.8(W) m x 4.3(H) m	 Ratio 28% 7.7(W) m x 5.8(H) m	 Ratio 22% 9.6(W) m x 7.2(H) m
	40 mm (Tele)  Ratio 889% 0.24(W) m x 0.18(H) m	 Ratio 444% 0.48(W) m x 0.36(H) m	 Ratio 296% 0.72(W) m x 0.54(H) m	 Ratio 222% 0.96(W) m x 0.72(H) m	 Ratio 178% 1.2(W) m x 0.9(H) m

* Because of monitor over scan, actual images seen may differ slightly from those shown here.

* "Capture image" is the area included in the image by the camera. "Ratio" determines the proportion of this area occupied by the subject in the image that appears on the monitor (Height).

• If the subject fills the whole screen with the ratio set at 100%, reducing the ratio to 50% will make the subject only half as large.

* When the distance from the camera to the subject is 10 m or more, set both distance to subject and lens focal length to 10x.