



Lens : Option

WV-BP550 series cameras incorporate a newly developed 1/3-type CCD designed with a revolutionary advanced driving circuit. They also incorporate a 3rd generation Digital Signal Processing (DSP) which achieves a much wider dynamic range.

The Panasonic's innovative combination of a new 1/3-type CCD and new DSP circuit design produces a dynamic range that is an incredible 32 times greater than the dynamic range found in conventional cameras. With Panasonic's Super-Dynamic B/W Camera WV-BP550 series, you can get satisfactory pictures under difficult lighting conditions.

Key Features

- 1/3-type Super Dynamic CCD <771 (H) x 492 (V)>
- The 3rd generation Digital Signal Processor
- 570-line horizontal resolution
- 50dB of S/N ratio (AGC OFF, Weight ON)
- Minimum illumination of 0.08 lx F1.4, 0.06 lx F1.2, 0.02 lx F0.75
- Remote control function with single coaxial cable (WV-BP550/BP554) or via RS485 terminal (WV-BPR550/BPR554)
- On-screen set-up menu
- Built-in character generator of up to 16 letters
- Electronic shutter from 1/60 to 1/10,000 second
- Electronic Sensitivity Enhancer (Max 32 times)
- The 2nd generation built-in Digital Motion Detector
- Alarm out terminal & Alarm Signal Sending over the coaxial cable (WV-BP550/BP554 only)
- Gen-Lock capability for the large system Application
- VD2 Sync Capability with Panasonic system products
- C/CS adjustable lens mount
- Accepts DC or video servo lenses
- Accepts both AC 24V & DC 12V in the same model (WV-BP554/BPR554)

The Super Dynamic DSP cameras

Conventional Camera



To view inside the iris must be opened but the image of outside is out of the Dynamic-range.



To view outside the iris must be closed but the image of the inside is too dark to see.

Super Dynamic Camera



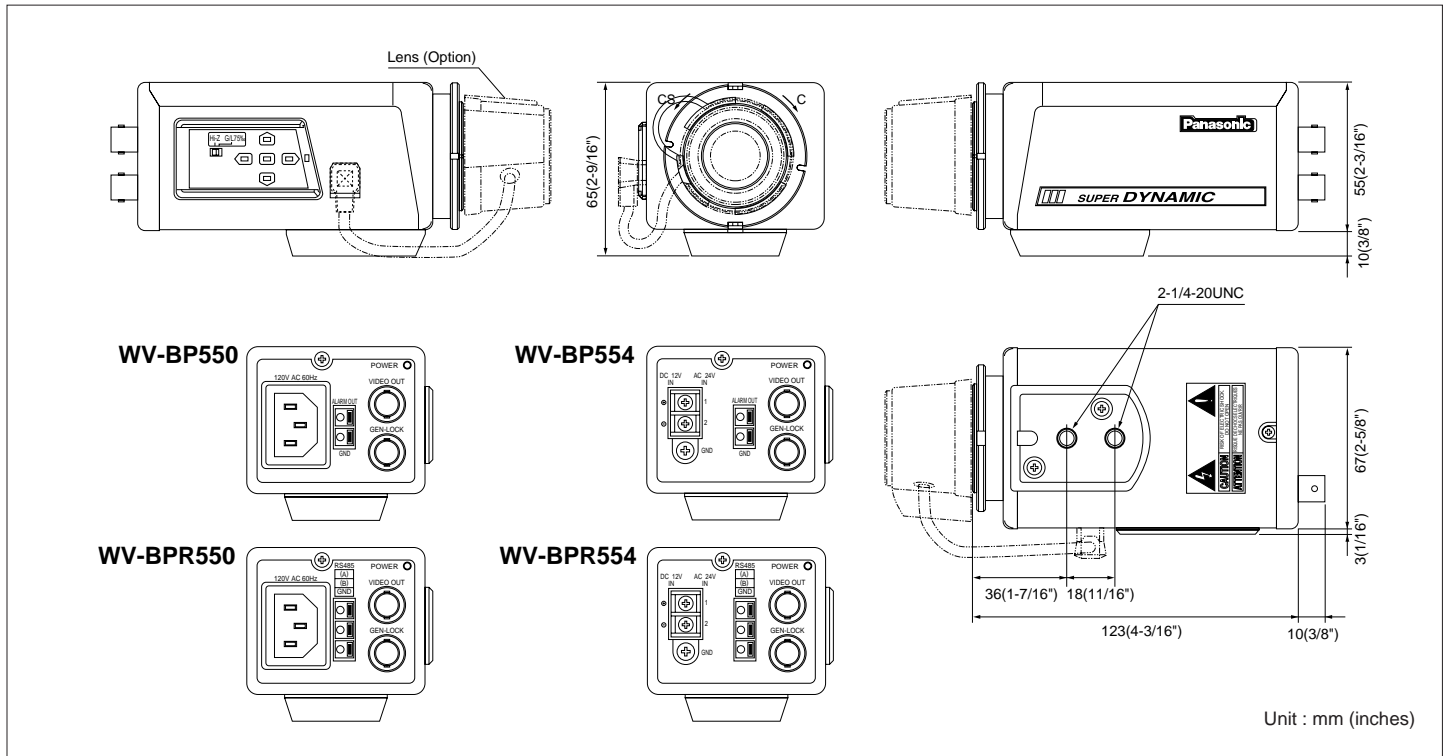
This camera has 32 times wider dynamic range compared to a conventional camera enabling you to see all the details in this scene, even under such difficult lighting conditions.

SPECIFICATIONS

Model Number	WV-BP550	WV-BP554	WV-BPR550	WV-BPR554	Model Number	WV-BP550	WV-BP554	WV-BPR550	WV-BPR554
Pick-up Device	1/3-type inch Interline Super-Dynamic CCD				Electric Light Control	Equivalent to continuous variable Shutter between 1/60 to 1/10,000 second			
Scanning Area	4.8 (H) x 3.6 (V) mm (Equivalent to Scanning of 1/3" Pick-up tube)				ALC Lens Drive	Video Servo / DC servo Selectable			
Scanning System	2:1 Interlace				Lens Mount	C/CS Mount			
Scanning	525 line / 60 field / 30 frame				Function	Camera Title 16 Character Display (Alphabet, Numeric, Symbols)			
	Horizontal	15.75 kHz				Light Control	ALC (Super-D ON/OFF) / ELC		
Vertical	60 Hz			Electronic Shutter	1/60 (OFF), 1/100, 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000 second (BLC & Super-Dynamic Function can not be used same time)				
Horizontal Resolution	570 TV Line				AGC	ON/OFF			
Signal to Noise Ratio	50 dB (AGC OFF, Weight ON)				Electronic Sensitivity Up	Auto: x2, x4, x6, x10, x16, x32 Fix: x2, x4, x6, x10, x16, x32			
Minimum Illumination	F1.4: 0.08 lx (0.008 fc)				Motion Detector	On/Off 6 x 8 Masking Area Available For Masking (Sensitivity Area will be 12 x 16 Zone)			
	F1.2: 0.06 lx (0.006 fc)								
	F0.75: 0.02 lx (0.002 fc)								
Synchronization	Internal Sync/Line Lock/VD2, VS Sync				Back Light Compensation	6 x 8 Masking Area Available For BLC (BLC & Super-Dynamic Function can not be used same time)			
	360 V-Phase adjustment of Line Lock								
	H-Phase Adjustment								
	75 Ω Termination for the G/L				Operating Temperature	-10°C ~ +50°C (14°F ~ 122°F)			
Control I/F	Single Wire Control system		RS-485 control system		Operating Humidity	Less than 90%			
Video Output	1.0 V [p-p] EIA Composite 75 Ω BNC Connector				Power Source	120 V 60 Hz	AC 24 V / DC 12 V	120 V 60 Hz	AC 24 V / DC 12 V
Gain Control	Selectable AGC ON or OFF				Power Consumption	5.3 W	5.4 W / 570 mA	5.3 W	5.4 W / 570 mA
Automatic Light Compensation	ALC: 1:52,000 / ELC, 1:10,000 Selectable ALC with Super Dynamic (ON/OFF) or ELC				Dimensions	67 (W) x 65 (H) x 123 (D) mm [2-5/8" (W) x 2-9/16" (H) x 4-13/16" (D)]			
					Weight	Approx. 410 g (0.902 lbs.) (not including power cord)			

Accessories -Instruction manual:1 -ALC connector:1

APPEARANCE



- All TV pictures are simulated.
- Weights and dimensions are approximate.
- Specifications are subject to change without notice.
- These products may be subject to export control regulations.

Panasonic

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