

Super Dynamic 6 Day/Night Dome Camera

PAL WV-CS580 (220 ~ 240 V AC) WV-CS584 (24 V AC)

Preliminary



All-in-one 24-hour surveillance camera featuring 36x zoom and Super Dynamic 6 technology

Key Features

- Super Dynamic 6 technology delivers 160x (PAL) wider dynamic range compared to conventional cameras.
- High resolution: 650 TV lines
- High sensitivity with Day/Night function: 0.5 lx (Color) at F1.4 (Wide), 0.04 lx (B/W) at F1.4 (Wide). IR cut filter switches on/off to enhance the sensitivity in B/W mode.
- Adaptive Digital Noise Reduction: Integration of 2D-DNR and 3D-DNR ensures noise reduction in various conditions.
- Electronic sensitivity enhancement: Auto (Up to 32x) / Manual (Up to 512x)
- Electronic shutter from 1/120 (PAL) to 1/10,000 s
- 36x zoom lens: 3.3 ~ 119 mm (approx. 720x with digital zoom)
- Pan/Tilt speed of max. 400°/s at preset mode and 0.065°/s super fine control at manual mode
- 5 degrees upper view for various applications
- 256 preset positions that can be activated from the system controller with a switcher or recorder (specific models).
- Auto tracking: The camera follows the largest movement in the image automatically. The camera will pan and tilt to keep the subject in the center of the image.
- VMD (Video Motion Detector) with Mask 8 x 6 areas
- Scene Change Detection alarms when lens is covered, spray painted, removed or defocused.
- 4 alarm inputs and 2 outputs terminals
- Alarm actions include Terminal output, Camera positioning, Auto pan, Patrol, SEQ, Sort, Auto track, B/W and command output.
- Auto Image Stabilizer for applications where vibration or wind is a
- Internal synchronization

- Over the coaxial cable or RS485 data (Panasonic, Pelco P/D Protocol) communication
- 16 alphanumerics camera title display
- Multi language: English, French, Italian, Spanish, German, Russian, Chinese, Japanese

Standard Accessories

• CD-ROM* 1 pc.	The following items are for installation. • Decorative Cover
*The CD-ROM contains the operating instru	uctions (PDF).

Optional Accessory

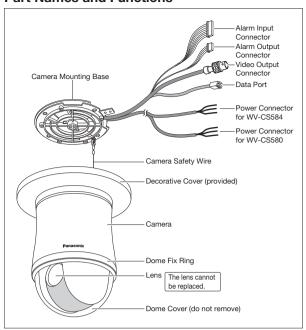
Ceiling	Embedded Ceiling	Pendant	Wall	Smoke
Mount Bracket	Mount Bracket	Mount Bracket	Mount Bracket	Dome Cover
WV-Q105	WV-Q126	WV-Q117	WV-Q118	WV-CS4S
S. J.				

Specifications

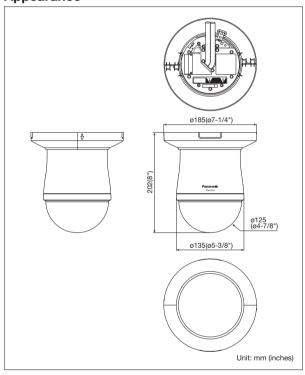
TV Systen	n	PAL
Camera	Image Sensor	1/4 type interline transfer CCD
	Effective Pixels	976 (H) x 582 (V)
	Scanning Mode	2:1 interlace
	Scanning Area	3.66 (H) x 2.73 (V) mm
	Scanning Frequency	Horizontal: 15.625 kHz Vertical: 50 Hz
	Horizontal Resolution	650 TV lines
	Minimum Illumination	Color : 0.5 lx, B/W: 0.04 lx
		*
	Signal-to-Noise Ratio	52 dB minimum (AGC: OFF)
	White Balance	AWC (2,000 ~ 10,000 K), ATW1 (2,700 ~ 8,000 K), ATW2 (2,400 ~ 8,000 K
	Light Control	ALC (Adjustable OPEN/CLOSE output target level) / MANUAL
	AGC	ON (LOW, MID, HIGH) / OFF
	Super Dynamic 6	ON / OFF
	Dynamic Range	54 dB typical (Super Dynamic 6 : ON)
	Electronic Shutter	OFF (1/50), AUTO, 1/120, 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,00
	Electronic Sensitivity UP	32x max. AUTO, 512x max. FIX
	Digital Noise Reduction	High or Low
	Black and White Mode	Auto / ON / OFF
	Scene File	10 patterns (Shutter, AGC, Sens UP, White balance, VMD)
	Scene Select Setting	INDOOR (L) / INDOOR (H) / OUTDOOR (L) / OUTDOOR (H)
	Video Motion Detection	OFF / MOTION DET / SCENE CHANGE
	Privacy Zone	ON / OFF (8 zone settings)
	Auto Image Stabilizer	ON / OFF
	Camera Title	16 alphanumeric characters
	Auto Focus	MANUAL / AUTO (PAN,TILT,ZOOM linked)
	Synchronization	Internal (INT)
Lens	Focal Length	3.3 mm ~ 119 mm
	Zoom Ration	36x (Approx. 720x with digital zoom)
	Zoom Speed	approx. 6.0 seconds (Tele ~ Wide) in manual mode
	Zoom Limit	1x ~ 720x (Over 36x is digital zoom)
	Angular Field of View	H: 1.7° (Tele) ~ 60.2° (Wide), V: 1.3° (Tele) ~ 46.0° (Wide)
	Maximum Aperture Ratio	1:1.4 (Wide) ~ 4.2 (Tele)
	Focusing Range	1.5 m (4.9 ft.) ~ ∞
		F1.4 ~ 22, Close
D	Aperture Range	360° endless
Pan and	Panning Range	
Tilt	Panning Speed *1	Manual: approx. 0.065 °/s ~ 120 °/s, 8 steps, 16 steps, 64 steps,
		Preset: approx. 400 °/s
	Tilting Range	-5° ~ 185° (horizontal - vertical - horizontal) (According to the TILT ANGLE
	Tilting Speed *1	Manual: approx. 0.065 °/s ~ 120 °/s, 8 steps, 16 steps, 64 steps,
		Preset: approx. 400 °/s
	Proportional Pan/Tilt Control	ON / OFF
	Number of Preset Positions	256
	Auto Mode	OFF, SEQ, SORT, AUTO PAN, PATROL, AUTO TRACK
	Auto Track	Standard Auto Track
	Patrol	STOP / PLAY / LEARN
	Image Hold	ON / OFF
	Digital Flip	ON / OFF
	Area Title	8 area titles, 16 characters/area
	Preset Alarm	ON / OFF
Alarm	Alarm Source	Terminal input, VMD, Command alarm
	Alarm Actions	Preset position 1 ~ 4, PATROL 1 ~ 4, AUTO TRACK 1 ~ 4, SEQ, SORT,
		AUTO PAN, B/W
Input /	Video Output	1.0 V [p-p] / PAL composite 75 Ω / BNC Connector
Output	Controller Interface	Coaxial Multiplex System, RS485
	External I/O Terminals	4 inputs (ALARM IN 1 ~ ALARM IN 4), 2 outputs (ALARM / AUX1, BW / AUX2
General	Setup Method	OSD setup menu
Gonoral	Password Lock	All menus
	Language	English, Russian (For setup menu and camera title), German, French,
		Italian, Spanish (For setup menu), Chinese, Japanese
		(Only for camera title. Setup menu will be English.)
	Power Source and	WV-CS580: 220 ~ 240 V AC, 50 Hz, 4.6 W
	Power Consumption	WV-CS584: 24 V AC, 50 Hz, 4.3 W
	Ambient Operating Temperature	–10 °C ~ +50 °C (14 °F ~ 122 °F) *2
	Ambient Operating Humidity	90 % or less (without condensation)
	Dimensions	ø135 x 202 mm (H) (ø5-3/8" x 8")

*1 Actual speed depends on type of controller being used.

Part Names and Functions



Appearance



Trademarks and registered trademarks

- Microsoft, and Windows are registered trademarks of Microsoft Corporation in the U.S. and other countries.

 "Super Dynamic", "SDII", "SDII", "SD5", "SD5Link", "SD6", "i-PRO" and "i-PRO SmartHD" logos are trademarks or registered trademarks of Panasonic Corporation.

Important

- Safety Precaution: carefully read the operating instructions and installation manual before using this product.
 Panasonic can not be responsible for network performance and/or other manufacturer products that reside on the network.
- All TV pictures are simulated.
- Masses and dimensions are approximate.
- Specifications are subject to change without notice.
 These products may be subject to export control regulations.

DISTRIBUTED BY:



 $^{^\}star 2$ When power is on continuously (however, the camera's interior temperature is -10 °C or higher)