Panasonic

ideas for life

22x OPTICAL ZOOM

Future rich Color Dome Camera with 22x Optical Zoom Lens

Key Features

- High sensitivity: 1 lux at F1.6 (Wide)
- Digital Noise Reduction: 3D-DNR reduces noise in various conditions. 4 options (High 1/2, Low 1/2) are available depending on the motion and noise level in the scene.
- Electronic sensitivity enhancement: Auto (Up to 32x) / Fix (Up to 32x)
- 22x zoom lens: 3.79 ~ 83.4 mm (approx. 220x with digital zoom)
- Pan/Tilt speed of max. 300°/s at preset mode and 0.1°/s super fine control at manual mode
- Up to 32 preset positions
- Proportional pan/tilt speed: Pan/Tilt speed varies corresponding to zoom position for easier operation
- 5 degrees upper view for various applications
- Patrol function replays manual camera control of up to 1 minute including PTZ.
- Area title: Displays OSD title for each of 8 panning directions (45 deg each). Pre-programmed title or customized title with up to 16 characters is available.
- Scene File can change various camera setting concurrently according to the scene upon selecting a preset position.
- Privacy Zone can mask up to 8 private areas, such as house windows and entrances/exits.
- VMD (Video Motion Detector) with Sensitivity 32 steps, Mask 8 x 6 areas
- Various I/O terminals: ALARM IN 1 ~ 4 ALARM OUT1/AUX OUT1, AUX2 OUT
- Alarm sources include Terminal 1 ~ 4, VMD and Command alarm. Alarm actions include Preset positions 1 ~ 4, Coaxial alarm output and RS-485 alarm output.

- 16 alphanumerics camera title display
- Internal/Line-lock/Multiplexed Vertical Drive (VD2) synchronization
- Over the coaxial cable or RS-485 data communication

Standard Accessories

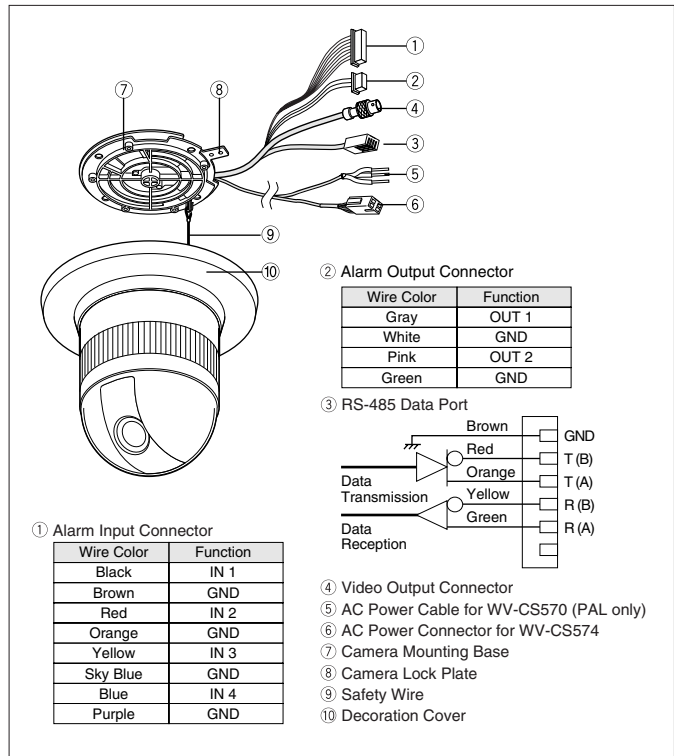|	
• Operating Instructions .... 1 pc.	• 8P Alarm Cable .... 1 pc.
The following items are for installation.	• 4P Alarm Cable .... 1 pc.
• Decorative Cover .... 1 pc.	• Connector for 24 V AC
• Dust Protection Sheet .... 1 pc.	(only for WV-CS574) .... 1 pc.

Optional Accessories

Ceiling
Mount Bracket
WV-Q105

Embedded Ceiling
Mount Bracket
WV-Q106

Pendant
Mount Bracket
WV-Q117

Wall
Mount Bracket
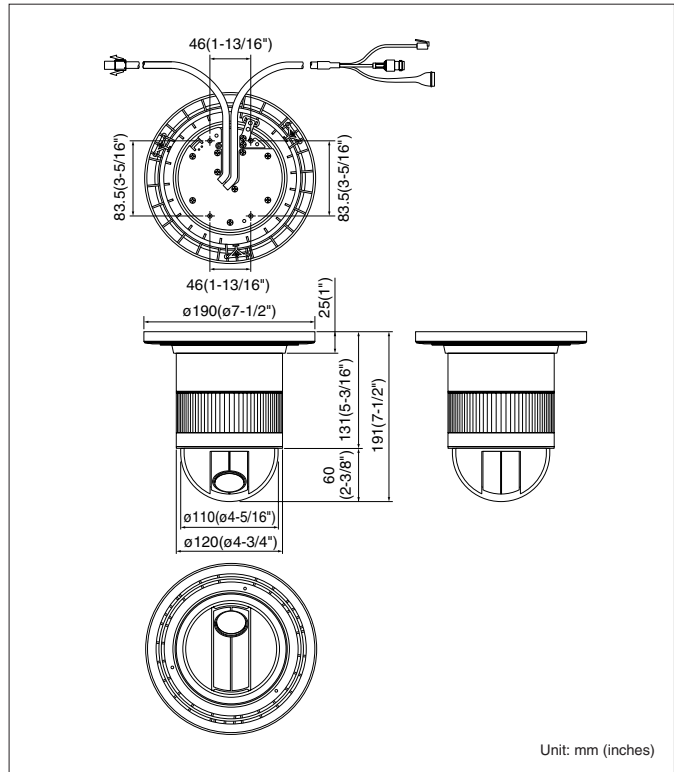**WV-Q118**

Mirror Dome Cover
WV-CS2M

Smoke Dome Cover
WV-CS2S
(PAL only)

Specifications

TV System		NTSC	PAL
Camera	Image Sensor	1/4 inch interline transfer CCD	
	Effective Pixels	768 (H) x 494 (V)	752 (H) x 582 (V)
	Scanning Mode	2:1 interlace	
	Scanning Area	3.59 (H) x 2.70 (V) mm	
	Scanning Frequency	Horizontal: 15.734 kHz	Horizontal: 15.625 kHz
		Vertical: 59.94 Hz	Vertical: 50 Hz
	Scanning Line	525 lines	625 lines
	Horizontal Resolution	480 TV lines minimum (Color NORMAL mode)	
		510 TV lines minimum (Color HIGH mode)	
	Minimum Illumination	1.0 lux (Color) at F1.6 (Wide)	
	Signal-to-Noise Ratio	50 dB (AGC: OFF, Weight: ON)	
	White Balance	AWC, ATW1, ATW2	
	Light Control	ALC / MANUAL	
	AGC	ON (LOW, MID, HIGH) / OFF	
	Electronic Shutter	OFF (1/60), AUTO, 1/100, 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000 s	OFF (1/50), AUTO,1/120, 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000 s
	Electronic Sensitivity UP	OFF / AUTO (2x, 4x, 6x, 10x, 16x, 32x) / FIX (2x, 4x, 6x, 10x, 16x, 32x)	
	Digital Noise Reduction	High1, High2, Low1, Low2	
	Resolution Mode	Normal or High	
	Digital Zoom	10x	
	Scene File	10 patterns (Shutter, AGC, Sens UP, White balance, VMD, AF mode)	
	Video Motion Detection	Sensitivity 32 steps, Mask 8 x 6 areas	
	Privacy Zone	ON / OFF, 8 zones	
	Camera Title	16 alphanumeric characters	
	Auto Focus	Manual (one push) / AUTO (after PTZ operation)	
	Synchronization	Internal (INT), Multiplexed Vertical Drive (VD2), Line-Lock (LL)	
Lens	Focal Length	3.79 ~ 83.4 mm, 22x zoom (approx. 220x with digital zoom)	
	Zoom Speed	approx. 4.0 seconds (Tele ~ Wide) in manual mode	
	Zoom Limit	1x ~ 220x (Over 22x is digital zoom)	
	Angular Field of View	Horizontal: 2.6° (Tele) ~ 52.3° (Wide),	
		Vertical: 2.0° (Tele) ~ 39.9° (Wide)	
	Maximum Aperture Ratio	1:1.6 (Wide) ~ 3.0 (Tele)	
	Focusing Range	Object Distance 1.6 m ~ ∞	
	Aperture Range	F1.6 ~ 22, Close	
Pan and Tilt	Panning Range	360° endless	
	Panning Speed	Manual: approx. 0.1°/s ~ 120°/s, 256 steps, Preset: approx. 300°/s	
	Tilting Range	−5° ~ 185°	
	Tilting Speed	Manual: approx. 0.1°/s ~ 120°/s, 256 steps,	
		Preset: approx. 300°/s	
	Proportional Pan/Tilt Control	Supported	
	Number of Preset Positions	32	
	Auto Mode	OFF, Home, SEQ, SORT, AUTO PAN, PATROL	
	Patrol	1 Program 1 Minute	
	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, Coaxial output, RS-485 output	
Input/ Output	Video Output	1.0 V [p-p] / NTSC composite 75 Ω / BNC Connector, Multiplexed VD2 and control data capable	1.0 V [p-p] / PAL composite 75 Ω / BNC Connector, Multiplexed VD2 and control data capable
	RS-485 Control IF	1x RS-485 (RJ-11), 2/4wire, Full/Half duplex	
	External I/O Terminals	4 inputs (ALARM IN 1 ~ ALARM IN 4), 2 outputs (ALARM/AUX1, AUX2)	
General	Setup Method	OSD setup menu	
	Password Lock	ON / OFF	
	Language	English	
	Safety/EMC Standard	UL (6500), FCC (Part15 ClassA), C-UL (E60065)	CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558)
	Power Source and Power Consumption	24 V AC, 60 Hz, 13 W	WV-CS570: 220 ~ 240 V AC, 50 Hz, 15 W WV-CS574: 24 V AC, 50 Hz, 13 W
	Ambient Operating Temperature	−10 °C ~ +50 °C (14 °F ~ 122 °F)	
	Ambient Operating Humidity	90 % or less (without condensation)	
	Dimensions	ø120 mm x 191 mm (H) (ø4-3/4" x 7-1/2" (H))	
	Weight (approx.)	2 kg (4.4 lbs.)	

Part Names and Functions

② Alarm Output Connector

Wire Color	Function
Gray	OUT 1
White	GND
Pink	OUT 2
Green	GND

③ RS-485 Data Port

① Alarm Input Connector

Wire Color	Function
Black	IN 1
Brown	GND
Red	IN 2
Orange	GND
Yellow	IN 3
Sky Blue	GND
Blue	IN 4
Purple	GND

④ Video Output Connector
⑤ AC Power Cable for WV-CS570 (PAL only)
⑥ AC Power Connector for WV-CS574
⑦ Camera Mounting Base
⑧ Camera Lock Plate
⑨ Safety Wire
⑩ Decoration Cover

Appearance

Unit: mm (inches)

• 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.
• All product pictures are NTSC models.

Important
– Safety Precaution: carefully read the operating instructions and installation manual before using this product.

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