Panasonic
ideas for life

SD5
Super Dynamic

i-VMD   Auto Back Focus   day/night IR removable

Super Dynamic 5 **Fixed Dome Camera with ABS** (Adaptive Black Stretch), **i-VMD** (intelligent-Video Motion Detection) **and ABF** (Auto Back Focus)

Key Features

- *Super Dynamic 5* delivers Superior image by fusion of Super Dynamic, ABS (Adaptive Black Stretch) and i-VMD (intelligent-Video Motion Detection) technology.
- High resolution: 650 TV lines typical (Color mode), 700 TV lines minimum (B/W mode)
- High sensitivity with Day/Night function: 0.1 lx (Color), 0.01 lx (B/W) at F1.4 (Wide). IR cut filter switches on/off to enhance the sensitivity in B/W mode.
- i-VMD (intelligent-Video Motion Detection) including video motion detection, object detection (removal and left behind), scene change detection when lens is covered, spray painted, removed or defocused
- ABF (Auto Back Focus) ensures easy installation and stable focus in both color and B/W modes.
- 3-dimensional color conversion function for natural color reproduction even in lower color temperature situation
- 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 32x)
- Electronic shutter from 1/100 (NTSC), 1/120 (PAL) to 1/10,000 s.
- 3.8 ~ 8.0 mm, 2x Varifocal Auto Iris lens with 2x digital zoom
- Auto Image Stabilizer for applications where vibration or wind is a concern
- Internal / Line-lock / Multiplexed Vertical Drive (VD2) synchronization
- Over the coaxial cable data communication
- 16 alphanumerics camera title display
- Multi language: English, French, Italian, Spanish, German, Russian
- Monitor output for easier installation

- 3-way hinge (horizontal, vertical and swivel rotation) for easy installation
- Various mounting options: Surface mount and Embedded ceiling mount

Standard Accessories

• CD-ROM *1 .... 1 pc.	The followings are for installation.
• Installation Guide .... 1 pc.	• Camera Attachment .... 1 pc.
• Warranty Card *2......................... 1 pc.	

*1 The CD-ROM contains the operating instructions (PDF).
*2 NTSC models only

Optional Accessories

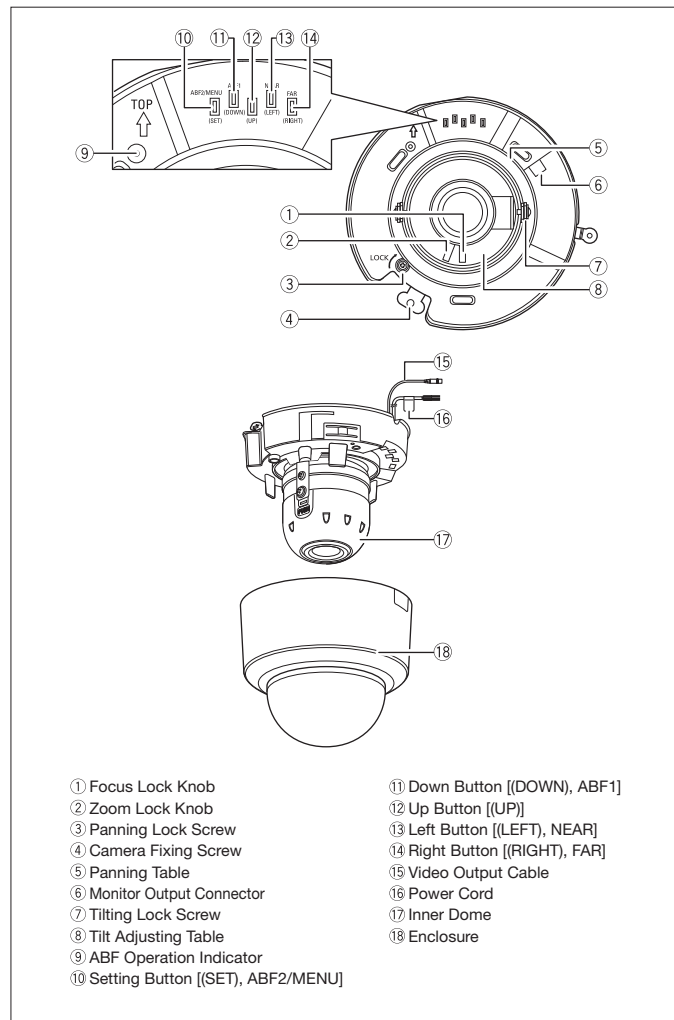| Embedded Ceiling Mount Bracket **WV-Q175**	Smoke Dome Cover **WV-CW4S**

Specifications

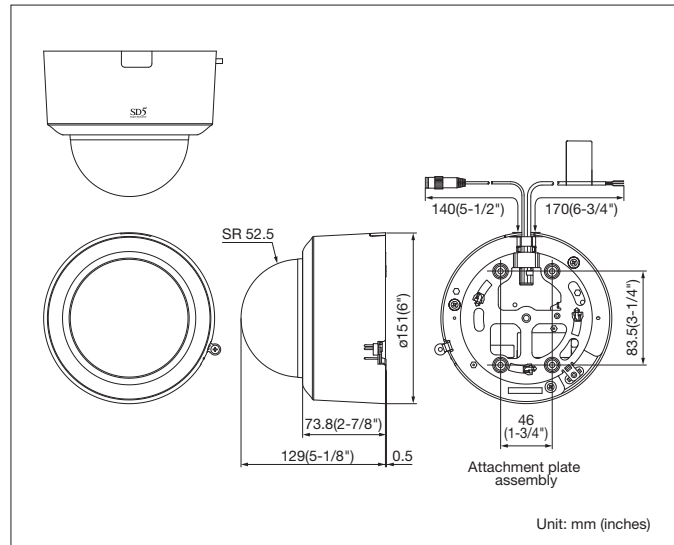| TV System		NTSC	PAL
Camera	Image Sensor	1/3 type interline transfer CCD	
	Effective Pixels	976 (H) x 494 (V)	976 (H) x 582 (V)
	Scanning Mode	2:1 interlace scan	
	Scanning Area	4.8 (H) x 3.6 (V) mm	
	Scanning Frequency	Horizontal: 15.734 kHz	Horizontal: 15.625 kHz
		Vertical: 59.94 Hz	Vertical: 50 Hz
	Horizontal Resolution	650 TV lines typical at color mode, 700 TV lines at B/W mode	
	Minimum Illumination*1	Color: 0.1 lx (0.01 lx)(SENS UP: OFF),	
		0.003 lx (0.0003 lx)(SENS UP: 32x) at F1.4 *2	
		B/W: 0.01 lx (0.001 lx)(SENS UP: OFF),	
		0.0003 lx (0.00003 lx)(SENS UP: 32x) at F1.4 *2	
	Signal-to-Noise Ratio	50 dB (AGC Off)	
	White Balance	ATW1 (2,700 ~ 6,000 K), ATW2 (2,000 ~ 6,000 K), or AWC (2,000 ~ 10,000 K)	
	Light Control	ALC / ALC+	
	AGC	ON (HIGH / MID / LOW) / OFF	
	Super Dynamic 5	ON / ON (i-VMD) / OFF (with BLC masking 8 x 6 areas)	
	Dynamic Range	52 dB typical (Super Dynamic 5 ON)	54 dB typical (Super Dynamic 5 ON)
	Electronic Shutter	OFF (1/60), 1/100, 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000 s	OFF (1/50), 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	High / Low	
	Black and White Mode	Mode: AUTO1 / AUTO2 / ON / OFF	
	Digital Zoom	ON (up to 2x) / OFF	
	Scene File	2 patterns	
	i-VMD (intelligent-Video Motion Detection)	Video Motion Detection, Object Detection (Removal and Left Behind), Scene Change Detection	
	Privacy Zone	ON (Gray / Mosaic) or OFF	
	Image Stabilizer	ON / OFF	
	Camera Title	Up to 16 characters	
	Lens Mount	CS-mount	
	Back Focus Adjustment	ABF (AUTO / PRESET / FIX), MANUAL-ADJ	
	Synchronization	Internal (INT), Multiplexed Vertical Drive (VD2), Line-Lock (LL) *3	
Lens	Focal Length	3.8 ~ 8.0 mm, 2x varifocal	
	Angular Field of View	H: 35.6° (Tele) ~ 73.6° (Wide) V: 26.6° (Tele) ~ 53.4° (Wide)	
	Maximum Aperture Ratio	1 : 1.4 (Wide) ~ 1 : 1.8 (Tele)	
	Focusing Range	1.2 m (3.9 ft.) ~ ∞	
	ALC Drive	DC	
Pan and Tilt	Panning range	±170°	
	Tilting Range	±75°	
	Azimuth Range	±100°	
Input/ Output	Video Output	1.0 V [P-P] / NTSC composite Output 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
	Monitor Output	1.0 V [P-P] / NTSC composite 75 Ω / RCA Jack	1.0 V [P-P] / PAL composite 75 Ω / RCA Jack
General	Safety/EMC Standard	UL (UL60065), FCC (Part15, ClassA) C-UL (CAN/CSA C22.2 No.60065), DOC (ICES003 ClassA)	CE (EN60065, EN55022 ClassB, EN55024), GOST (R 51558)
	Language	English, Russian (For setup menu and camera title), German, French, Italian, Spanish (For setup menu)	
	Power Source and Power Consumption	24 V AC 60 Hz, 3.4 W, 12 V DC, 280 mA	24 V AC 50 Hz, 3.4 W, 12 V DC, 280 mA
	Ambient Operating Temperature	–10 °C ~ +50 °C (14 °F ~ 122 °F)	
	Ambient Operating Humidity	Less than 90 % (no condensation)	
	Dimensions	ø151 mm x 129 mm (H) (ø5-15/16" x 5-1/16" (H))	
	Mass (approx.)	Main Body: 0.9 kg (2.0 lbs), (including camera attachment 60 g (0.13 lbs)	

*1 With Standard Clear Dome Cover
*2 Estimated figure
*3 Phase adjustable

Part Names and Functions

① Focus Lock Knob
② Zoom Lock Knob
③ Panning Lock Screw
④ Camera Fixing Screw
⑤ Panning Table
⑥ Monitor Output Connector
⑦ Tilting Lock Screw
⑧ Tilt Adjusting Table
⑨ ABF Operation Indicator
⑩ Setting Button [(SET), ABF2/MENU]
⑪ Down Button [(DOWN), ABF1]
⑫ Up Button [(UP)]
⑬ Left Button [(LEFT), NEAR]
⑭ Right Button [(RIGHT), FAR]
⑮ Video Output Cable
⑯ Power Cord
⑰ Inner Dome
⑱ Enclosure

Appearance

Unit: mm (inches)

Trademarks and registered trademarks
– "Super Dynamic", "SDⅡ", "SDⅢ", "SD5", "SD5Link" and "i-Pro" logos are trademarks or registered trademarks of Panasonic Corporation.
Important
– Safety Precaution: carefully read the operating instructions and installation manual before using this product.

• 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.
• All product pictures are NTSC models.

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