# Panasonic

Super Dynamic 6 Weather Resistant Dome Camera

WV-CW590 Series WV-CW590A Series

NTSC WV-CW594 (24 V AC) WV-CW590A (24 V AC)

PAL WV-CW590 (220 ~ 240 V AC)

WV-CW590A (220 ~ 240 V AC)

WV-CW594 (24 V AC) WV-CW590A (24 V AC)



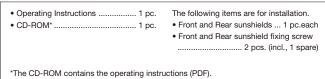
# All-in-one 24-hour outdoor surveillance camera featuring 36x zoom and Super Dynamic 6 technology

# **Key Features**

- Super Dynamic 6 technology delivers 128x(NTSC) / 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 1/100(NTSC), 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 concern.
- Internal <NTSC/PAL> / Multiplexed Vertical Drive (VD2) <NTSC> 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
- IP66 rated water and dust resistant. Compatible with IEC60529 measurement standard.
- Built-in fan/heater for temperature changes of -50 °C ~ +50 °C(-58°F ~122°F)
- Built-in sun shield permits camera locations in direct sunlight.
- Rain wash coating dome cover (WV-CW590A/WV-CW594A)

# Standard Accessories



#### **Optional Accessory**



### **Specifications**

Camera	ı	NTSC	PAL
	Image Sensor	1/4 type interline transfer CCD	
	Effective Pixels	976 (H) x 494 (V)	976 (H) x 582 (V)
	Scanning Mode	2:1 interlace	
	Scanning Area	3.66 mm(H) x 2.74 mm(V) (5/32"(H) x 3/32"(V))	3.66 mm (H) x 2.73 mm (V) (5/32"(H) x 3/32"(V)
	Scanning Frequency	Horizontal: 15.734 kHz Vertical: 59.94 Hz	Horizontal: 15.625 kHz Vertical: 50 Hz
	Horizontal Resolution	650 TV lines	
	Minimum Illumination	Color (30 IRE): 0.5 Ix (SENS UP: OFF	0.0.16 ly (SENS LIP: 22v) at E1.4
		B/W (10 IRE): 0.04 Ix (SENS UP: OFF	
	Signal-to-Noise Ratio	52 dB minimum (AGC: OFF)	
	White Balance	AWC (2,000 ~ 10,000 K), ATW1 (2,70	0 ~ 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	52 dB typical (Super Dynamic 6 : ON)	54 dB typical (Super Dynamic 6 : ON)
	Electronic Shutter	OFF (1/60), AUTO, 1/100, 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000	OFF (1/50), AUTO, 1/120, 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000
	Electronic Sensitivity UP Digital Noise Reduction	32x max. AUTO, 512x max. FIX 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		
	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), Multiplexed Vertical Drive (VD2) 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	
			manualmode
	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	2.0m (6.6ft.) ~ ∞	
	Aperture Range	F1.4 ~ 22, Close	
Pan and	Panning Range	360° endless	
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	
	Dep/tilt.coourcou/	Less than ±0.3°	
	Pan/tilt accuracy		
	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	
		8 area titles, 16 characters/area	
	Area Title		
	Preset Alarm	ON / OFF	
Alarm	Preset Alarm Alarm Source	ON / OFF Terminal input, VMD, Command alar	
	Preset Alarm Alarm Source Alarm Actions	ON / OFF	, AUTO TRACK 1 ~ 4, SEQ, SORT,
Alarm Input /	Preset Alarm Alarm Source	ON / OFF Terminal input, VMD, Command alar Preset position 1 ~ 4, PATROL 1 ~ 4	
	Preset Alarm Alarm Source Alarm Actions	ON / OFF Terminal input, VMD, Command alar Preset position 1 ~ 4, PATROL 1 ~ 4 AUTO PAN, B/W 1.0 V [p-p] / NTSC composite 75 /	, AUTO TRACK 1 ~ 4, SEQ, SORT, 1.0 V [p-p] / PAL composite 75 /
Input /	Preset Alarm Alarm Source Alarm Actions Video Output	ON / OFF Terminal input, VMD, Command alar Preset position 1 ~ 4, PATROL 1 ~ 4 AUTO PAN, B/W 1.0 V [p-p] / NTSC composite 75 / BNC Connector	, AUTO TRACK 1 ~ 4, SEQ, SORT,
Input /	Preset Alarm Alarm Source Alarm Actions Video Output Controller Interface	ON / OFF Terminal input, VMD, Command alar Preset position 1 ~ 4, PATROL 1 ~ 4 AUTO PAN, B/W 1.0 V [p-p] / NTSC composite 75 / BNC Connector Coaxial Multiplex System, RS485	, AUTO TRACK 1 ~ 4, SEQ, SORT, 1.0 V [p-p] / PAL composite 75 / BNC Connector
Input / Output	Preset Alarm Alarm Source Alarm Actions Video Output Controller Interface External I/O Terminals	ON / OFF Terminal input, VMD, Command alar Preset position 1 ~ 4, PATROL 1 ~ 4 AUTO PAN, B/W 1.0 V [p-p] / NTSC composite 75 / BNC Connector Coaxial Multiplex System, RS485 4 inputs (ALARM IN 1 ~ ALARM IN 4), 2	, AUTO TRACK 1 ~ 4, SEQ, SORT, 1.0 V [p-p] / PAL composite 75 / BNC Connector
Input /	Preset Alarm Alarm Source Alarm Actions Video Output Controller Interface External I/O Terminals Setup Method	ON / OFF Terminal input, VMD, Command alar Preset position 1 - 4, PATROL 1 - 4 AUTO PAN, B/W 1.0 V [p-p] / NTSC composite 75 / BNC Connector Coaxial Multiplex System, RS485 4 inputs (ALARM IN 1 - ALARM IN 4), 2 OSD setup menu	, AUTO TRACK 1 ~ 4, SEQ, SORT, 1.0 V [p-p] / PAL composite 75 / BNC Connector
Input / Output	Preset Alarm Alarm Source Alarm Actions Video Output Controller Interface External I/O Terminals Setup Method Password Lock	ON / OFF Terminal input, VMD, Command alar Preset position 1 ~ 4, PATROL 1 ~ 4 AUTO PAN, B/W 1.0 V [p-p] / NTSC composite 75 / BNC Connector Coaxial Multiplex System, RS485 4 inputs (ALARM IN 1 ~ ALARM IN 4), 2 OSD setup menu All menus	, AUTO TRACK 1 ~ 4, SEQ, SORT, 1.0 V [p-p] / PAL composite 75 / BNC Connector 2 outputs (ALARM / AUX1, BW / AUX2)
Input / Output	Preset Alarm Alarm Source Alarm Actions Video Output Controller Interface External I/O Terminals Setup Method	ON / OFF Terminal input, VMD, Command alar Preset position 1 – 4, PATROL 1 – 4 AUTO PAN, B/W 1.0 V [p-p] / NTSC composite 75 / BNC Connector Coaxial Multiplex System, RS485 4 inputs (ALARM IN 1 – ALARM IN 4), 2 OSD setup menu All menus UL (6500), FCC (Part15 ClassA),	AUTO TRACK 1 ~ 4, SEQ, SORT, 1.0 V [p-p] / PAL composite 75 / BNC Connector 2 outputs (ALARM / AUX1, BW / AUX2) CE (EN60065, EN55022 ClassB,
Input / Output	Preset Alarm Alarm Source Alarm Actions Video Output Controller Interface External I/O Terminals Setup Method Password Lock Safety/EMC Standard	ON / OFF Terminal input, VMD, Command alar Preset position 1 ~ 4, PATROL 1 ~ 4 AUTO PAN, B/W 1.0 V [p-p] / NTSC composite 75 / BNC Connector Coaxial Multiplex System, RS485 4 inputs (ALARM IN 1 ~ ALARM IN 4), 2 OSD setup menu All menus UL (65000, FCC (Part15 ClassA), C-UL (E60065), DOC (ICES003 ClassA)	AUTO TRACK 1 ~ 4, SEQ, SORT, 1.0 V [p-p] / PAL composite 75 / BNC Connector 2 outputs (ALARM / AUX1, BW / AUX2) CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558)
Input / Output	Preset Alarm Alarm Source Alarm Actions Video Output Controller Interface External I/O Terminals Setup Method Password Lock Safety/EMC Standard Language	ON / OFF Terminal input, VMD, Command alar Preset position 1 – 4, PATROL 1 – 4 AUTO PAN, B/W 1.0 V [p-p] / NTSC composite 75 / BNC Connector Coaxial Multiplex System, RS485 4 inputs (ALARM IN 1 – ALARM IN 4), 2 OSD setup menu All menus UL (6500), FCC (Part15 ClassA), C-UL (E60065), DOC (ICES003 ClassA) English, Russian, German, French, Italian,	AUTO TRACK 1 ~ 4, SEQ, SORT, 1.0 V [p-p] / PAL composite 75 / BNC Connector 2 outputs (ALARM / AUX1, BW / AUX2) CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558) Spanish, Portuguese, Chinese,Japanese
Input / Output	Preset Alarm Alarm Source Alarm Actions Video Output Controller Interface External I/O Terminals Setup Method Password Lock Safety/EMC Standard	ON / OFF Terminal input, VMD, Command alar Preset position 1 ~ 4, PATROL 1 ~ 4 AUTO PAN, B/W 1.0 V [p-p] / NTSC composite 75 / BNC Connector Coaxial Multiplex System, RS485 4 inputs (ALARM IN 1 ~ ALARM IN 4), 2 OSD setup menu All menus UL (65000, FCC (Part15 ClassA), C-UL (E60065), DOC (ICES003 ClassA)	AUTO TRACK 1 ~ 4, SEQ, SORT, 1.0 V [p-p] / PAL composite 75 / BNC Connector 2 outputs (ALARM / AUX1, BW / AUX2) CE (EN60065, EN55022 ClassB,
Input / Output	Preset Alarm Alarm Source Alarm Actions Video Output Controller Interface External I/O Terminals Setup Method Password Lock Safety/EMC Standard Language	ON / OFF Terminal input, VMD, Command alar Preset position 1 – 4, PATROL 1 – 4 AUTO PAN, B/W 1.0 V [p-p] / NTSC composite 75 / BNC Connector Coaxial Multiplex System, RS485 4 inputs (ALARM IN 1 – ALARM IN 4), 2 OSD setup menu All menus UL (6500), FCC (Part15 ClassA), C-UL (E60065), DOC (ICES003 ClassA) English, Russian, German, French, Italian,	AUTO TRACK 1 ~ 4, SEQ, SORT, 1.0 V [p-p] / PAL composite 75 / BNC Connector 2 outputs (ALARM / AUX1, BW / AUX2) CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558) Spanish, Portuguese, Chinese,Japanese
Input / Output	Preset Alarm Alarm Source Alarm Actions Video Output Controller Interface External I/O Terminals Setup Method Password Lock Safety/EMC Standard Language Power Source and Power Consumption	ON / OFF Terminal input, VMD, Command alar Preset position 1 – 4, PATROL 1 – 4 AUTO PAN, B/W 1.0 V [p-p] / NTSC composite 75 / BNC Connector Coaxial Multiplex System, RS485 4 inputs (ALARM IN 1 – ALARM IN 4), 2 OSD setup menu All menus UL (6500), FCC (Part15 ClassA), C-UL (E60065), DOC (ICES003 ClassA) English, Russian, German, French, Italian, 24 V AC, 60 Hz, 98 W	AUTO TRACK 1 ~ 4, SEQ, SORT, 1.0 V [p-p] / PAL composite 75 / BNC Connector 2 outputs (ALARM / AUX1, BW / AUX2) CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558) Spanish, Portuguese, Chinese,Japanese WV-CW590: 220-240 V AC, 50 Hz, 80 V
Input / Output	Preset Alarm Alarm Source Alarm Actions Video Output Controller Interface External I/O Terminals Setup Method Password Lock Safety/EMC Standard Language Power Source and Power Consumption Ambient Operating Temperature	ON / OFF Terminal input, VMD, Command alar Preset position 1 ~ 4, PATROL 1 ~ 4 AUTO PAN, B/W 1.0 V [p-p] / NTSC composite 75 / BNC Connector Coaxial Multiplex System, RS485 4 inputs (ALARM IN 1 ~ ALARM IN 4), 2 OSD setup menu All menus UL (6500), FCC (Part15 ClassA), C-UL (E60065), DOC (ICES003 ClassA) English, Russian, German, French, Italian, 24 V AC, 60 Hz, 98 W ~50 °C ~ +50 °C (~58 °F ~ 122 °F) *2	AUTO TRACK 1 ~ 4, SEQ, SORT, 1.0 V [p-p] / PAL composite 75 / BNC Connector 2 outputs (ALARM / AUX1, BW / AUX2) CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558) Spanish, Portuguese, Chinese,Japanese WV-CW590: 220-240 V AC, 50 Hz, 80 N
Input / Output	Preset Alarm Alarm Source Alarm Actions Video Output Controller Interface External I/O Terminals Setup Method Password Lock Safety/EMC Standard Language Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity	ON / OFF Terminal input, VMD, Command alar Preset position 1 – 4, PATROL 1 – 4 AUTO PAN, B/W 1.0 V [p-p] / NTSC composite 75 / BNC Connector Coaxial Multiplex System, RS485 4 inputs (ALARM IN 1 – ALARM IN 4), 2 OSD setup menu All menus UL (6500), FCC (Part15 ClassA), C-UL (E60065), DOC (ICES003 ClassA) English, Russian, German, French, Italian, 24 V AC, 60 Hz, 98 W -50 °C ~ +50 °C (-58 °F ~ 122 °F) *2 90 % or less (without condensation)	AUTO TRACK 1 ~ 4, SEQ, SORT, 1.0 V [p-p] / PAL composite 75 / BNC Connector 2 outputs (ALARM / AUX1, BW / AUX2) CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558) Spanish, Portuguese, Chinese, Japanese WV-CW590: 220-240 V AC, 50 Hz, 80 W WV-CW594: 24 V AC, 50 Hz, 98 W
Input / Output	Preset Alarm Alarm Source Alarm Actions Video Output Controller Interface External I/O Terminals Setup Method Password Lock Safety/EMC Standard Language Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Temperature Ambient Operating Temperature	ON / OFF Terminal input, VMD, Command alar Preset position 1 – 4, PATROL 1 – 4 AUTO PAN, B/W 1.0 V [p-p] / NTSC composite 75 / BNC Connector Coaxial Multiplex System, RS485 4 inputs (ALARM IN 1 – ALARM IN 4), 2 OSD setup menu All menus UL (6500), FCC (Part15 ClassA), C-UL (E60065), DOC (ICES003 ClassA) English, Russian, German, French, Italian 24 V AC, 60 Hz, 98 W -50 °C – +50 °C (-58 °F – 122 °F) *2 90 % or less (without condensation), IP66, IEC60529 measuring standard	AUTO TRACK 1 ~ 4, SEQ, SORT, 1.0 V [p-p] / PAL composite 75 / BNC Connector 2 outputs (ALARM / AUX1, BW / AUX2) CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558) Spanish, Portuguese, Chinese, Japanese WV-CW590: 220-240 V AC, 50 Hz, 80 W WV-CW594: 24 V AC, 50 Hz, 98 W
Input / Output	Preset Alarm Alarm Source Alarm Actions Video Output Controller Interface External I/O Terminals Setup Method Password Lock Safety/EMC Standard Language Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity	ON / OFF Terminal input, VMD, Command alar Preset position 1 – 4, PATROL 1 – 4 AUTO PAN, B/W 1.0 V [p-p] / NTSC composite 75 / BNC Connector Coaxial Multiplex System, RS485 4 inputs (ALARM IN 1 – ALARM IN 4), 2 OSD setup menu All menus UL (6500), FCC (Part15 ClassA), C-UL (E60065), DOC (ICES003 ClassA) English, Russian, German, French, Italian, 24 V AC, 60 Hz, 98 W -50 °C ~ +50 °C (-58 °F ~ 122 °F) *2 90 % or less (without condensation) IP66, IEC60529 measuring standard 229 mm (D) x 360 mm (H)	AUTO TRACK 1 ~ 4, SEQ, SORT, 1.0 V [p-p] / PAL composite 75 / BNC Connector 2 outputs (ALARM / AUX1, BW / AUX2) CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558) Spanish, Portuguese, Chinese,Japanese WV-CW590: 220-240 V AC, 50 Hz, 80 W WV-CW594: 24 V AC, 50 Hz, 98 W compatible
Input / Output	Preset Alarm Alarm Source Alarm Actions Video Output Controller Interface External I/O Terminals Setup Method Password Lock Safety/EMC Standard Language Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Temperature Dimensions	ON / OFF Terminal input, VMD, Command alar Preset position 1 ~ 4, PATROL 1 ~ 4 AUTO PAN, B/W 1.0 V [p-p] / NTSC composite 75 / BNC Connector Coaxial Multiplex System, RS485 4 inputs (ALARM IN 1 ~ ALARM IN 4), 2 OSD setup menu All menus UL (6500), FCC (Part15 ClassA), C-UL (E60065), DOC (ICES003 ClassA) English, Russian, German, French, Italian, 24 V AC, 60 Hz, 98 W ~50 °C ~ +50 °C (~58 °F ~ 122 °F) *2 90 % or less (without condensation) IP66, IEC60529 measuring standard 229 mm (D) x 360 mm (H) diameter of the dome: 150 mm (9°(D)	AUTO TRACK 1 ~ 4, SEQ, SORT, 1.0 V [p-p] / PAL composite 75 / BNC Connector 2 outputs (ALARM / AUX1, BW / AUX2) CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558) Spanish, Portuguese, Chinese, Japanese WV-CW590: 220-240 V AC, 50 Hz, 80 V WV-CW594: 24 V AC, 50 Hz, 98 W compatible ) x 14-1/8"(H) dome:5-7/8")
Input / Output	Preset Alarm Alarm Source Alarm Actions Video Output Controller Interface External I/O Terminals Setup Method Password Lock Safety/EMC Standard Language Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Temperature Dimensions Mass (approx.)	ON / OFF Terminal input, VMD, Command alar Preset position 1 – 4, PATROL 1 – 4 AUTO PAN, B/W 1.0 V [p-p] / NTSC composite 75 / BNC Connector Coaxial Multiplex System, RS485 4 inputs (ALARM IN 1 – ALARM IN 4), 2 OSD setup menu All menus UL (6500), FCC (Part15 ClassA), C-UL (E60065), DCC (ICES003 ClassA) English, Russian, German, French, Italian, 24 V AC, 60 Hz, 98 W -50 °C – +50 °C (-58 °F – 122 °F) *2 90 % or less (without condensation) IP66, IEC60529 measuring standard 229 m(D) × 360 mn (H) diameter of the dome: 150 mn (9°[D 4.5 kg (9.9 lbs.) (including front and r	AUTO TRACK 1 ~ 4, SEQ, SORT, 1.0 V [p-p] / PAL composite 75 / BNC Connector 2 outputs (ALARM / AUX1, BW / AUX2) CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558) Spanish, Portuguese, Chinese,Japanese WV-CW590: 220-240 V AC, 50 Hz, 80 V WV-CW594: 24 V AC, 50 Hz, 98 W compatible ) x 14-1/8"(H) dome:5-7/8") ear sunshields)
Input / Output	Preset Alarm Alarm Source Alarm Actions Video Output Controller Interface External I/O Terminals Setup Method Password Lock Safety/EMC Standard Language Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Temperature Dimensions	ON / OFF Terminal input, VMD, Command alar Preset position 1 ~ 4, PATROL 1 ~ 4 AUTO PAN, B/W 1.0 V [p-p] / NTSC composite 75 / BNC Connector Coaxial Multiplex System, RS485 4 inputs (ALARM IN 1 ~ ALARM IN 4), 2 OSD setup menu All menus UL (6500), FCC (Part15 ClassA), C-UL (E60065), DOC (ICES003 ClassA) English, Russian, German, French, Italian, 24 V AC, 60 Hz, 98 W ~50 °C ~ +50 °C (~58 °F ~ 122 °F) *2 90 % or less (without condensation) IP66, IEC60529 measuring standard 229 mm (D) x 360 mm (H) diameter of the dome: 150 mm (9°(D)	AUTO TRACK 1 ~ 4, SEQ, SORT, 1.0 V [p-p] / PAL composite 75 / BNC Connector 2 outputs (ALARM / AUX1, BW / AUX2) CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558) Spanish, Portuguese, Chinese,Japanese WV-CW590: 220-240 V AC, 50 Hz, 80 V WV-CW594: 24 V AC, 50 Hz, 98 W compatible ) x 14-1/8"(H) dome:5-7/8") ear sunshields)
Input / Output	Preset Alarm Alarm Source Alarm Actions Video Output Controller Interface External I/O Terminals Setup Method Password Lock Safety/EMC Standard Language Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Temperature Dimensions Mass (approx.)	ON / OFF Terminal input, VMD, Command alar Preset position 1 – 4, PATROL 1 – 4 AUTO PAN, B/W 1.0 V [p-p] / NTSC composite 75 / BNC Connector Coaxial Multiplex System, RS485 4 inputs (ALARM IN 1 – ALARM IN 4), 2 OSD setup menu All menus UL (6500), FCC (Part15 ClassA), C-UL (E60065), DCC (ICES003 ClassA) English, Russian, German, French, Italian, 24 V AC, 60 Hz, 98 W -50 °C – +50 °C (-58 °F – 122 °F) *2 90 % or less (without condensation) IP66, IEC60529 measuring standard 229 m(D) × 360 mn (H) diameter of the dome: 150 mn (§°[D	AUTO TRACK 1 ~ 4, SEQ, SORT, 1.0 V [p-p] / PAL composite 75 / BNC Connector 2 outputs (ALARM / AUX1, BW / AUX2) CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558) Spanish, Portuguese, Chinese, Japanese WV-CW590: 220-240 V AC, 50 Hz, 90 WV-CW594: 24 V AC, 50 Hz, 98 W compatible ) x 14-1/8"(H) dome:5-7/8") ear sunshields) (Paint color: Natural Silver)

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

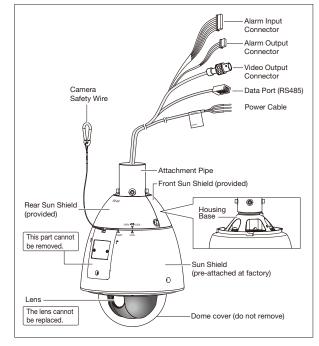
\*2 When power is on continuously (however, the camera's interior temperature is -10 °C or higher) \*3 Sunshield cannot be removed

- Avoid installing this product in the following locations. Locations where a chemical agent is used such as a swimming pool. Locations subject to steam and oil smoke such as a kitchen, Locations near flammable gas or vapor. Locations where radiation or x-ray emissions are produced. Locations where tailation of x-ray emissions are produced.
   Locations where corrosive gas is produced, Locations where it may be damaged by briny air such as seashores.
   Locations where the temperature is not within -50 °C to +50 °C (-58 °F to +122 °F).
   Locations subject to vibrations (This product is not designed for on-vehicle use.)

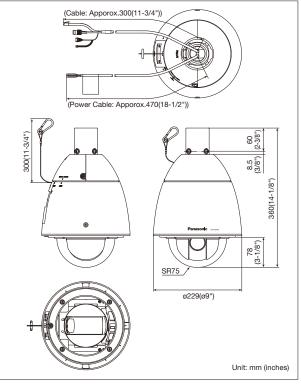
- Locations subject to condensation as the result of severe changes in temperature (In case of installing the product in such locations, the dome cover may become foggy or condensation may be caused on the cover.)

#### **DISTRIBUTED BY:**

#### **Part Names and Functions**



Appearance



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- Safety Precaution: Carefully read the operating instructions and installation manual before using this product.

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