

WV-CW970 Dome Camera

Advanced Auto Track with template matching algorithm

IP66 Rated Weather Proof Structure

Super Dynamic III Camera with 160x Dynamic Range

30x Optical Zoom and 300x including Digital Zoom

400 deg/sec Panning Speed

Enhanced Processing of Natural Colour



New advances in Outdoor Surveillance from the Super Dynamic III dome camera with advanced auto track

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General

Type Weather Proof Super Dynamic III Colour Dome Camera

Pick-up Device 1/4-type interline transfer CCD

Effective Pixels

Horizontal 752.0

Vertical 582.0

Scanning Area [mm]

Horizontal 3.65

Vertical 2.71

Signal PAL

Synchronization Internal (INT), Multiplexed Vertical Drive (VD2), Line-Lock (LL)

Scanning Mode 2:1 interlace

Scanning Frequency

Horizontal [KHz] 15.625

Vertical [Hz] 50.0

Resolution

Horizontal 480 TV lines minimum (Colour NORMAL mode), 540 TV lines typical., 520 TV lines minimum (Colour HIGH mode) 570 TV lines minimum (B/W)

Vertical	400 TV lines minimum (Centre)
Dynamic Range	160x
Signal-to-Noise Ratio	50 dB minimum (AGC: OFF)
Minimum Illumination (Colour)	0.5 lux
Minimum Illumination (B/W)	0.04 lux
Weather Protection	IP66 protection from water jets from a nozzle (IEC60529/JIS C 0920)

Power Source

Voltage AC [V]	220-240
Frequency [Hz]	50.0
Power Consumption [W]	90.0

Ambient Operating Temperature [degrees C]

Minimum	-40.0
Maximum	50.0

Ambient Operating Humidity [%]

Minimum	0.0
Maximum	90.0

Dimensions [mm]

Diameter	239.0
Height	395.5
Weight [kg]	4.7
Finish	Camera: Die cast aluminium, baked on coating (Paint colour: Fine silver (901)) Sun shield: ASA resin, coated (Paint colour: Fine silver(901)) Dome: Clear polycarbonate resin

Main Functions

Controller Interface	Coaxial Multiplex System, RS-485
Control Functions	Pan and tilt, zoom and focus, 256 preset positions, home position, patrol
Auto Gain Control (AGC)	ON (LOW), ON (MID), ON (HIGH), OFF
Zoom Speed	approx. 6.0 seconds (TELE ~ WIDE) in manual mode
Focus Speed	-
Iris / Light Control	ALC (Adjustable OPEN/CLOSE output target level)/MANUAL
Shutter	OFF (1/50), AUTO, 1/120, 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000 s
Motion Detector	OFF/MODE1/MODE2
Auto Mode	OFF, SEQ, SORT, AUTO PAN, PATROL, AUTO TRACK
Auto Pan	SEQ, SORT, AUTO PAN, PATROL, AUTO TRACK
Auto Focus	MANUAL/AUTO (PAN, TILT, ZOOM linked)
Back Light Compensation (BLC)	-
Sensitivity Enhancement	32x max. (AUTO or FIX)

White Balance	-
Adaptive Black Stretch	-
Camera Title	ON, OFF (Preset ID, camera ID, area title: 16 alphanumeric characters)
Image Hold	ON/OFF
Digital Flip	ON/OFF
Cleaning	ON/OFF
Privacy Zone	ON/OFF (8 zone settings)
Image Stabilizer	ON/OFF
Detail / Aperture Level	-
Colour/Mono Switching	AUTO/ON/OFF
Patrol	STOP/PLAY/LEARN
Scene Select Setting	INDOOR (L)/INDOOR (H)/OUTDOOR (L)/OUTDOOR (H)
Password Lock	All menus
Language Setting	English, German, French, Italian, Spanish, Russian, Chinese, Japanese

Pan and Tilt

Pan Range	[360 deg.] endless
Pan Modes	Manual, auto, manual position, sequential position
Pan Speed	Manual: approx. 0.065 ~ 120 deg/s 8 steps, 16 steps, 64 steps Preset: approx. 400 deg/s
Tilt Range	[-5 ~ 185 deg.] (horizontal - vertical - horizontal) (According to the TILT ANGLE)
Tilt Modes	Manual, manual position, sequential position
Tilt Speed	Manual: approx. 0.065 ~ 120 deg/s 8 steps, 16 steps, 64 steps Preset: approx. 400 deg/s

Lens

Type	-
Zoom Ratio	30x (approx. 300x with digital zoom)

Focal Length [mm]

Minimum	3.4
Maximum	114.0
Iris Range / Aperture Ratio	f1.4~ f22, Close

Angular Field of View

Horizontal	1.8 degrees (TELE) ~ 52 degrees (WIDE)
Vertical	1.4 degrees (TELE) ~ 40 degrees (WIDE)
Maximum Aperture Ratio	1:1.4 (WIDE) ~ 3.6 (TELE)
Object Distance [m]	1.5

Input/Output

Video Output	VBS: 1.0V [p-p]/ 75 Ohms (BNC connector)
Alarm Input	x4 (ALARM IN 1 ~ ALARM IN 4)

Alarm Output

x2 (ALARM/AUX1, BW/AUX2)

