

## WV-CW960

### Dome Cameras

IP66 Rated Weather Proof Structure

Super Dynamic III Camera with 160x Dynamic Range

30x Optical Zoom

400 deg/sec Panning Speed

Enhanced Processing of Natural Colour



New advances in Outdoor Surveillance from the Super Dynamic III dome camera

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### General

<b>Type</b>	Weather Proof Super Dynamic III Colour Dome Camera
<b>Pick-up Device</b>	1/4-type interline transfer CCD

### Effective Pixels

<b>Horizontal</b>	752.0
<b>Vertical</b>	582.0

### Scanning Area [mm]

<b>Horizontal</b>	3.65
<b>Vertical</b>	2.71

**Signal** PAL

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

**Scanning Mode** 2:1 interlace

### Scanning Frequency

<b>Horizontal [KHz]</b>	15.625
<b>Vertical [Hz]</b>	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)

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

#### Power Source

<b>Voltage AC [V]</b>	220-240
<b>Frequency [Hz]</b>	50.0
<b>Power Consumption [W]</b>	90.0

#### Ambient Operating Temperature [degrees C]

<b>Minimum</b>	-40.0
<b>Maximum</b>	50.0

#### Ambient Operating Humidity [%]

<b>Minimum</b>	0.0
<b>Maximum</b>	90.0

#### Dimensions [mm]

<b>Diameter</b>	239.0
<b>Height</b>	395.5
<b>Weight [kg]</b>	4.7
<b>Finish</b>	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

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

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