22x OPTICAL ZOOM

day/night IR removable

Compact Day/Night Surveillance Camera with 22x Optical Zoom Lens

Key Features

- 1/4 inch CCD pick-up element with 752 (H) x 582 (V) pixels
- 510 TV lines at color (High) and 570 TV lines at B/W imaging horizontal resolution
- High sensitivity with Day/Night function:
  0.6 lux at color mode (Sens Up: Off, AGC: High)
  0.04 lux at B/W mode (Pix Sens Up: Off, Sens Up: Off, AGC: High)
  0.02 lux at B/W mode (Pix Sens Up: 2x AUTO, Sens Up: Off, AGC: High)
- Day/Night operation can be selected to automatically or manually switch from color to B/W.
- 22x optical zoom lens (3.79 ~ 83.4 mm at F1.6) plus 10x electronic digital zoom for total zoom capacity of 220x
- Auto focus lens
- Privacy zone masking function (Four (4) privacy zones can be masked.)
- Built-in VMD (Video Motion Detector)
- Up to 64 preset lens positions
- Image hold function
- 16-alphanumeric character display
- BLC (Back-Light Compensation) mode selector
- DNR (Digital Noise Reduction) function
- Electronic shutter from 1/50 (Off) to 1/10,000 sec.

- Linear 32x electronic sensitivity enhancement function (Auto/Fix)
- Signal to noise ratio of 50 dB
- Password-lock function for user management protection
- Built-in Mirror and Up-Side-Down functions for special imaging needs
- Multiplex-coaxial or RS-485 data communication
- Internal or Multiplexed Vertical Drive (VD2) synchronization
- 12 V DC operation
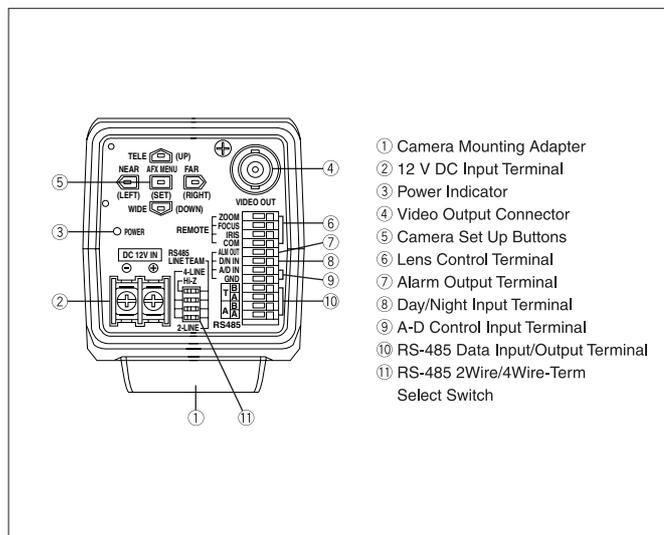- Compact body: 62 mm (W) x 119 mm (D) (2-7/16" (W) x 4-11/16" (D))
- Alarm output terminal

Standard Accessories

- CD-ROM .... 1 pc.
- Installation Guide .... 1 pc.
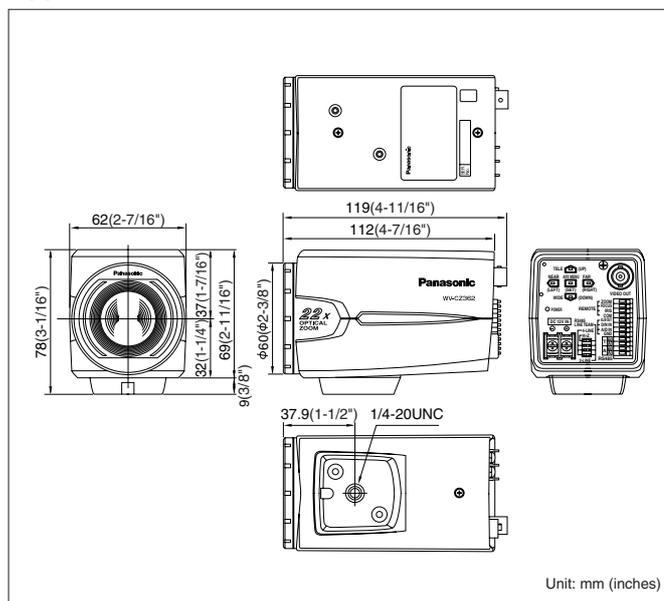
Specifications

TV System	PAL
Pick-up Device	752 (H) x 582 (V) pixels
Scanning Area	3.76 (H) x 2.78 (V) mm, (1/4 inch CCD)
Synchronization	Internal / Multiplexed Vertical Drive (VD2)
Horizontal Scanning Frequency	15.625 kHz
Vertical Scanning Frequency	50.00 Hz
Video Output	1.0 V [p-p] PAL composite / 75 Ω
Horizontal Resolution	More than 480 TV lines (Color, NORMAL)
	More than 510 TV lines (Color, HIGH)
	More than 570 TV lines (B/W)
Vertical Resolution	More than 400 lines
S/N Ratio	50 dB (AGC On, Weight On)
Minimum Illumination (Color)	0.6 lux (Sens Up: Off, AGC: High)
Minimum Illumination (B/W)	0.04 lux (Pix Sens Up: Off, Sens Up: Off, AGC: High)
	0.02 lux (Pix Sens Up: 2x AUTO, Sens Up: Off, AGC: High)
Zoom Speed	Approx. 4.5 s (TELE / WIDE) in manual mode
Focus Speed	Approx. 5 s (FAR / NEAR) in manual mode
Iris	Automatic (OPEN / CLOSE is possible) / manual
Maximum Aperture Ratio	1:1.6 (Wide) ~ 3.0 (Tele)
Focal Length	3.79 ~ 83.4 mm
Angular Field of View H	2.6° ~ 52.3°
V	2.0° ~ 39.9°
Electronic Shutter	1/50 (Off), AUTO, 1/120, 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000 sec.
AGC	On (LOW), On (MID), On (HIGH), Off
Electronic Sensitivity Up	Max. 32x, (Auto / Fix)
BLC	Selectable On / Off (SETUP MENU)
Zoom Ratio	Optical 22x plus 10x Electronic zoom
Iris Range	F1.6 ~ 22, Close
Auto Focus	Manual / STOP AF / AUTO
Camera ID	preset ID, camera ID, up to 16 characters
Motion Detector	On / Off
Day/Night In	Input pulled up to 5.0 V DC Off (open or 4 V DC ~ 5 V DC) / On (0 V 0.2 mA)
Alarm OUT	Up to 16 V DC 100 mA Off (OPEN) / On (0 V)
B/W Mode	AUTO / ON / OFF / EXT
Privacy Zone	On / Off, up to 4 zones
Control	Coaxial Cable / RS-485 / Lens Control / A-D Control
Power Source	12 V DC
Power Consumption	490 mA
Ambient Operating Temperature	−10 °C ~ +50 °C (14 °F ~ 122 °F)
Dimensions	62 mm (W) x 78 mm (H) x 119 mm (D) (2-7/16" (W) x 3-1/16" (H) x 4-11/16" (D))
Weight (approx.)	370 g (0.81 lbs.)

Part Names and Functions

① Camera Mounting Adapter
② 12 V DC Input Terminal
③ Power Indicator
④ Video Output Connector
⑤ Camera Set Up Buttons
⑥ Lens Control Terminal
⑦ Alarm Output Terminal
⑧ Day/Night Input Terminal
⑨ A-D Control Input Terminal
⑩ RS-485 Data Input/Output Terminal
⑪ RS-485 2Wire/4Wire-Term Select Switch

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.

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

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