

V662V-Series Vandal-Proof High-Resolution Analog WDR Dome Cameras



- 650 TV lines
- Super Wide Dynamic Range
- Built-in Video Analytics
- 3D Digital Noise Reduction
- EHLC (Excessive High Light Compensation)
- Privacy masking
- Frame Rate control
- On-screen menus with innovative joystick control make setup and operation easy
- 0.4 lux color; 0.04 lux BW

Outstanding Performance and Value

The V662V-Series High-Resolution, Wide Dynamic Range dome camera offers a durable, vandal-proof, fixed camera that offers superior resolution of 650 TV lines, to provide high-quality images. The extended wide dynamic range is ideal for difficult lighting situations. The camera has a 1/3-inch Sony® Super HAD™II PS 960H CCD. A choice of 2.8-12 mm or 9-22 mm lenses are available.

The V662V is lightweight and compact enabling it to be mounted in a variety of locations where space is at a premium. The cameras are constructed of die-cast aluminum with a high-impact polycarbonate plastic dome. Tamper-resistant screws make the unit resistant to vandalism. The IP66 rated camera package is designed to withstand the harshest conditions and destructive environments of correctional facilities, warehouses and loading docks. The cameras may be mounted on a wall or ceiling. The cameras may be wall or ceiling mounted. Optional accessories are available for pole, corner, in-ceiling and pendant-style mounting. An optional heater accessory extends the low temperature range of the units. NTSC and PAL versions are available.

The camera is designed for easy installation and setup. The extensive on-screen display menus allow set up of white balance, AGC, backlight compensation, exposure, titling, privacy masks and many other functions.

Built-in 3D digital noise reduction improves image quality, minimizes video interference and triggering of false alarms and provides a better compression ratio, which decreases storage requirements. WDR improves detail in bright and low light areas of the image. EHLC reverses the bright spots in a scene to improve exposure of other regions in the scene.

The camera also provides built-in video analytics, which include: tamper detection, motion detection, object removed, counting, line crossing and the ability to set specific areas of the scene for motion detection. The Frame Rate Control function substantially reduces storage in low motion environments by sending the same frame (duplicate) when there is no motion.

Ordering Information

| Description | Model Number |
|---|--------------|
| High-Resolution, WDR dome camera with 2.8-12 mm lens. 1/3-inch format, day/night with DNR and 650 TV line resolution. 12 VDC or 24 VAC. | V662V-312D |
| High-Resolution, WDR dome camera with 9-22 mm lens. 1/3-inch format, day/night with DNR and 650 TV line resolution. 12 VDC or 24 VAC. | V662V-922D |

For PAL models add a -P to the Model Number. For example: V662V-312D-P.

Camera

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|--------------------------------------|--|
| Image Device: | 1/3-inch Sony Super HADII PS 960H CCD |
| Picture Elements: | NTSC: 1020 (H) x 508 (V), 518,000 pixels PAL: 1020 (H) x 596 (V), 608,000 pixels |
| Scanning Frequency: | NTSC: 15.734 KHz (H) x 60 Hz (V) PAL: 15.625 KHz (H) x 50 Hz (V) |
| Scanning System: | 2:1 interlace |
| Sensitivity: | 0.04 fc (0.4 lux) color 0.004 fc (0.04 lux) B/W 0.0001 fc (0.001 lux) slow shutter speed |
| Video Output: | 1.0 V p-p @75 ohms, composite |
| Horizontal Resolution: | 650 TV lines |
| S/N Ratio: | 50 dB (AGC off) |
| Synchronization: | Internal/Line Lock (Phase Control) |
| Camera Control: | RS-485 |
| White Balance: | Auto/CRS/Push & Hold/Indoor/Outdoor/FL/User |
| Exposure: | Auto/Manual Shutter/Flickerless/Low Light Control/Offset Add |
| Dynamic Range: | x 512 Level Adjustment |
| Backlight Compensation: | EHL/AUTO/SPOT/ZONE/BLM |
| Automatic Gain Control (AGC): | Selectable: Off, Low, Middle, High |
| Shutter Speed: | NTSC: 1/60-1/100,000 sec PAL: 1/50-1/100,000 sec |
| Sense Up: | x 32 |
| Digital Zoom: | 0-255 zoom. D-PTZ support enables pan and tilt functionality within zoomed scene. |
| Digital Noise Reduction: | 2D NR, 3D NR, Gain Adjust, DNR Demo |
| Privacy Mask: | 15 programmable zones (Tilt, Color, Transparency, Mosaic) |
| Focal Length: | 2.8-12 mm or 9-22 mm |
| Aperture: | f/1.2 |
| Field of View: | 2.8 mm: 94.2° H; 12 mm: 26.2° H 9 mm: 30.7° H; 22 mm: 12.5° H |

Operational

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|--|---|
| Control Display: | On-screen, menu-driven system allowing full configuration of the camera |
| Day/Night: | Auto/Day/Night/Ext |
| Video Analytics: | Zone/Motion/Face Trace/Object Detection/Line Crossing/Counting/Tamper Detection |
| Titling: | Alpha-numeric character set. 8 characters. |
| Frame Rate Control: | Auto/Off |
| Effects: | V-Flip/Mirror/Rotation/Neg or Pos/Freeze/Sharpness |
| Tilt and Horizontal Adjustment: | Pan, 360°; tilt, 90° from vertical and rotation about its axis (roll/azimuth). |

Electrical

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|---------------------------|---|
| Input Voltage: | 12 VDC or 24 VAC ±10% |
| Current: | 0.38 A @ 12 VDC 0.19 A @ 24 VAC |
| Power Consumption: | 4.5 W |
| Connectors: | Power: 3-pin connector Video: BNC on pendant cable |
| Certifications: | UL, FCC, Class A, CE |

Environmental

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|-------------------------------------|--|
| Operating Temperature Range: | 14 to 122° F (-10 to 50° C) -22 to 131° F (-30 to 55° C) with optional heater |
| Operating Humidity Range: | Up to 90% relative, non-condensing |

Warranty

3 years parts and labor

Data Sheet Number: V233-00

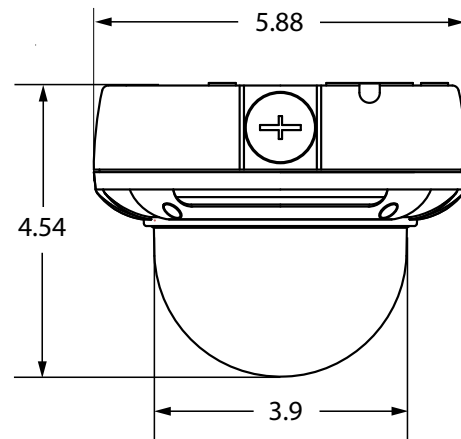
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- Die-cast aluminum construction with polycarbonate plastic dome and black mask. Rated for IP66 ingress protection.
- Wall or ceiling mounting
- Housing Diameter: 5.88 inches (146.4 mm)
- Dome Diameter: 3.9 inches (100 mm)
- Height: 4.54 inches (115.4 mm)
- Weight: 1.54 lb. (0.7 kg)



Mounting Accessories

| | Description | Model Number |
|---|---|--------------|
|  | In-ceiling mount kit for vandal-proof domes. | V660-HCS254 |
|  | Wall-mount arm for camera domes. | V660-HDB243 |
|  | Wall/Ceiling mount kit for vandal-proof domes | V660-HVPWCB2 |
|  | Corner-mount adapter for vandal-proof domes. Used with V660-HVPWCB2. | V660-HCM150 |
|  | Pole-mount adapter for vandal-proof domes. Used with V660-HVPWCB2. | V660-HCM151 |
|  | NPT-pipe adapter for vandal-proof domes. | V660-HDA202 |
| | Heater accessory for V660-Series indoor and outdoor camera domes. | V660-HT202VF |
|  | Allows the camera dome to be mounted on a 4 x 4 electrical box with a neat look | V660-TRIM |