

Digital Watchdog Value Line Camera BL352IR

A&E Specifications
Security System

Masterformat@ Numbers and Titles

28 00 00 ELECTRONIC SAFETY AND SECURITY

28 20 00 ELECTRONIC SURVEILLANCE

28 23 00 VIDEO SURVEILLANCE

28 23 29 VIDEO SURVEILLANCE REMOTE DEVICES AND SENSORS

PART 1: GENERAL

1.01 GENERAL

- A. All equipment and materials used shall be standard components that are regularly manufactured and used in the manufacturer's system.
- B. All systems and components shall have been thoroughly tested and proven in actual use.
- C. All systems and components shall be provided with the availability of a toll-free technical support phone number from the manufacturer. The phone number shall allow for technical assistance for either the dealer/installer or the end user at no charge for as long as the product is installed.
- D. All systems and components shall be provided with an explicit manufacturer warranty.

1.02 SUMMARY

- A. The BL352IR is the perfect choice for simple security applications. It is affordable yet equipped. The BL352IR is a vandal and weather-resistant 3-axis ball camera that offers a wide angle fixed lens for general viewing applications and a 1/3" Sony Super HAD CCD chipset for sharp and clear images. It promises excellent color sensitivity and high resolution for both day and night applications, and its compact size and simple mounting device also makes installation quick and easy. This ball camera was designed to satisfy your cost-sensitive security purposes.

1.03 SUBMITTALS

- A. Manual
- B. Specification Sheet
- C. Brochure

1.04 REFERENCES

- A. National Television System Committee (NTSC)
- B. Conformity for Europe (CE)
- C. Federal Communications Commission (FCC)
- D. Restriction of Hazardous Substances (RoHS)

1.05 QUALITY ASSURANCE

- A. With engineering and manufacturing facilities in Seoul, Korea and distribution and product support in the United States, DW offers a level of specialty in the manufacturing and deployment of analogue and IP video security technology that your business can rely on. In addition to our proven product offerings, we have taken service and technology to the next level with a substantial investment in additional skilled industry professionals, online service capabilities, and application support. We offer technical assistance from Monday to Friday 8:30 AM to 8:00 PM EST via a toll-free telephone number at no extra charge.

1.06 DELIVERY, STORAGE, HANDLING

- A. General: Delivery, storage, and handling of the Digital Watchdog Camera shall be in accordance with the manufacturer's recommendations.
- B. Ordering: The manufacturer's ordering instructions and lead-time requirements shall be followed in order to avoid installation delays.
- C. Delivery: The Digital Watchdog Camera shall be delivered in the manufacturer's original, unopened, undamaged container with identification labels intact.
- D. Storage and Protection: The Digital Watchdog Camera shall be stored and protected from exposure to harmful weather conditions and at the environmental conditions recommended by the manufacturer.

1.07 WARRANTY

- A. LABOR: For a period of two (2) years and one (1) year on LED from the date of original purchase, if the Value Line Ball Camera is determined to be defective, the Warrantor will repair or replace the unit with new or refurbished product at its option, at no charge.
- B. PARTS: In addition, the Warrantor will supply replacement parts for a period of two (2) years and one (1) year on LED. To obtain warranty or out of warranty service, please call a technical support representative at 1-866-446-3595 Monday through Friday from 8:30 AM to 8:00 PM EST.

A purchase receipt or other proof of the date of the original purchase is required before warranty service is rendered. The warranty only covers failures due to defects in materials and workmanship which arise during normal use. This warranty does not cover damage which occurs in shipment or failures which are caused by products not supplied by the Warrantor or failures which result from accident, misuse, abuse, neglect, mishandling, misapplication, alteration, modification, faulty installation, set-up adjustments, improper antenna, inadequate signal pickup, maladjustment of consumer controls, improper operation, power line surge, improper voltage supply, lightning damage, rental use of the product or service by anyone other than an authorized repair facility or damage that is attributable to acts of God.

- C. LIMITS AND EXCLUSIONS: There are no express warranties except as listed above. The Warrantor will not be liable for incidental or consequential damages, including without limitation or damage to recording media, resulting from the use of these products or arising out of any breach of the warranty. All express and implied warranties, including the warranties of merchantability and fitness for particular purpose, are limited to the applicable warranty period set forth above.

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state-to-state.

PART 2: SPECIFICATIONS

2.01 FEATURES

- A. The Digital Watchdog Value Line Ball Camera shall be equipped with a 1/3" Sharp CCD.
- B. The Value Line Ball Camera shall produce 540 TV Lines in the horizontal direction for color images.
- C. The Value Line Ball Camera shall have a fixed lens. The lens shall offer a focal length of 3.6 millimeters.
- D. The Value Line Ball Camera shall be built with IR illuminators. The IR illuminators shall allow the camera to operate in complete darkness without being noticed by the human eye. The IR illuminators shall be able to brighten a distance of up to 18 to 20 feet.
- E. During the day, the Value Line Ball Camera shall operate as a color camera, and the camera shall be capable of switching to black-and-white in low light conditions. At low light conditions, the Value Line Ball Camera shall use ambient IR light to capture black-and-white images.
- F. The Value Line Ball Camera shall be perfect for all indoor and outdoor lighting conditions with its Ultra Low Light Sensitivity.
- G. The Value Line Ball Camera shall be built with a BLC (Backlight Compensation) technology that automatically gives the camera the necessary light level compensation and provides a good image of the subject in the foreground when there is a bright source in the background. BLC is usually good when there is a subject of interest, like an ATM machine.
- H. The Value Line Ball Camera shall be outdoor/environmentally rated. It also shall be vandal and tamper resistant. The Value Line Bullet Camera shall have an Ingress Protection rating of 66.
- I. The Value Line Ball Camera shall consume less power than an ordinary surveillance camera. The Value Line Bullet Camera shall be considered energy saving.
- J. The Value Line Ball Camera shall have a Wide Operating Voltage of 8 Volts to 18 Volts DC.
- K. The Value Line Ball Camera shall have a 3-axis ball neck bracket for simple camera positioning.
- L. The Value Line Ball Camera shall meet or exceed the following design and performance specifications.

2.02 CAMERA SPECIFICATIONS

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|----|-----------------------------|-----------------|
| A. | Minimum Scene Illumination: | 0.0 Lux |
| B. | Lens Type: | Fixed Lens |
| C. | Focal Length: | 3.6 millimeters |
| D. | BLC: | Automatic |
| E. | On Screen Display: | NONE |

2.03 VIDEO SPECIFICATIONS

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|----|-----------------|-----------|
| A. | Imaging Device: | Sharp CCD |
| B. | Image Size: | 1/3-inch |
| C. | Signal System: | NTSC |
| D. | Total Pixels: | 811 X 508 |

E.	Effective Pixels:	768 X 494
F.	Scanning System:	525 Lines, 2:1 Interlace
G.	Horizontal Frequency:	15,734 Hz
H.	Vertical Frequency:	59.94Hz
I.	Sync System:	Internal
J.	Horizontal Resolution:	540 TV Lines (Color), 560 TV Lines (B/W)
K.	Video Output:	1.0V [p-p] Composite Output, 75 Ohm
L.	Signal-to-Noise Ratio:	50dB

2.04 ELECTRICAL SPECIFICATIONS

A.	Power Requirement:	DC 12V
B.	Power Consumption:	DC 12V: 1.0W, 83.3mA
C.	Power Consumption (LED ON):	DC 12V: 2.2W, 183.3mA

2.05 ENVIRONMENTAL SPECIFICATIONS

A.	Environment:	Indoor / Outdoor
B.	Operational Temperature:	-10°C ~ +55°C (14°F ~ 131°F)
C.	Operational Humidity:	Less than 90%

2.06 MECHANICAL SPECIFICATIONS

A.	Construction:	Metal Housing
B.	Mount:	Surface
C.	Dimension:	74.8 (Height) X 94.5 (Width) millimeters 2.94 (Height) X 3.72(Width) inches
D.	Unit Weight:	0.73 pounds

2.07 CERTIFICATIONS

A.	Meets Nema Type and IP66 Standards
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2.08 WARRANTY

A.	2 Years, 1 Year on LED
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2.09 MODEL NUMBERS

A.	DWC-BL352IR
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(Written May 12, 2011)

*Digital Watchdog is constantly developing product improvements. We reserve the right to modify product design and specifications without notice and without incurring any obligation.