Bid Specification Sheet
Digital Watchdog DWC-V362DIR Camera

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

1.0 Description

The camera described shall be a Digital Watchdog DWC-V362DIR High Resolution Vandal Dome IR Camera. The DWC-V362DIR has 540TVL (Color), 580TVL (B/W) Resolution, 1/3" CCD, and HME (Highlight Masking Exposure).

2.0 General

- All equipment and materials used shall be standard components that are regularly manufactured and used in the manufacturer's system.
- All systems and components shall have been thoroughly tested and proven in actual use.
- 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.
- All systems and components shall be provided with an explicit manufacturer warranty.

3.0 Bid specifications(Refer to Following Table)

- The Digital Watchdog DWC-V362DIR High Resolution Indoor Dome Camera shall be equipped with a 1/3" CCD image sensor.
- The camera shall incorporate a 1/3" CCD with 811 (H) x 508 (V), 411K Pixels.
- The camera shall have a horizontal resolution of 540 lines (colour HIGH mode) and 580 (black and white).
- The camera shall operate in minimum light level of 0.1 lux in colour imaging and 0.0 lux in black and white
- The camera shall have Electronic Day and Night.
- The camera shall have 4 programmable privacy zones masking
- The camera shall have HME (Highlight Masking Exposure)
- The camera shall not exceed 149.9mm (diameter) and 96.2mm (height).
- The camera shall meet IP66 IEC60529 international standards, protecting against dust and high pressure water.
- The camera will operate in temperature ranging from -10°C to +55°C.
- The camera shall have a video output of CVBS:1.0V (p-p)/75 Ω with a BNC type connector

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

- The camera shall support dual voltage AC24V and DC12V
- Power requirements for the camera shall be:
    - DC12V: 1.9W, 158.3mA
        - LED ON: 5.7W, 475mA
    - AC24V: 2.0W, 83.3mA
        - LED ON: 5.3W, 220.8mA
- The camera material shall consist of aluminium die casting and plastic polycarbonate.
- The camera weight shall not exceed 2.10 lbs.

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4.0 Specifications

VIDEO	
Image Sensor	960H CCD
Total Pixels	1020 (H) x 507 (V), 520K Pixels
Scanning System	2 : 1 Interlace
Frequency	15.734KHz (H), 59.95Hz (V)
Synchronization	Internal
Horizontal Resolution	700 TV Lines [B/W], 650 TV Lines [Color]
Minimum Illumination	F1.2 (30IRE): 0.3 Lux [Color]
	F1.2 (30IRE): 0.0 Lux [B/W]
S/N Ratio	52dB (AGC off)
Video Output	CVBS: 1.0Vp-p / 75 Ω
LENS	
Focal Length	2.8-11mm
Lens Type	DC Auto Iris
IR Distance	85ft Range
OPERATIONAL	
Lens	MANUAL, DC (000-100)
Back Light Compensation	OFF, BLC, HME, DIGITAL WDR
Auto Gain Control	OFF, LOW, MID, HIGH, HIGHEST
White Balance	AWC, ATW, MANUAL, PUSH
Color Mode	NORMAL, COOL, WARM
Day and Night	AUTO, COLOR, B&W
Mirror	OFF, MIRROR
Sharpness	000-030
Gamma	MANUAL, 0.45, 0.60, 1.00
Side Light Compensation	OFF, ON (000-030)
Night Up	OFF, ON
Motion Detection	OFF, ON (4 Programmable Zones)
Privacy Zones	OFF, ON (8 Programmable Zones)
Title	OFF, ON (Up to 16 Characters)
Dead Pixel Cancellation	OFF, AUTO
Communication Protocol	PELCO-D
ENVIRONMENTAL	
Operating Temperature	-10°C ~ 55°C (14°F ~ 131°F)
Operating Humidity	Less than 90% (Non-Condensing)
Storage Temperature	-20°C ~ 70°C (-4°F ~ 158°F)
IP Rating	IP66 (Protects against dust and high pressure water.)
ELECTRICAL	
Power Requirement	Dual (DC12V & AC24V)
Power Consumption	DC12V: 1.9W, 158.3mA / LED ON 5.7W, 475mA
	AC24V: 2.0W, 83.3mA / LED ON 5.3W, 220.8mA
MECHANICAL	
Housing Material	Aluminum
Dome Cover Material	Polycarbonate
Dimensions	ø149.9 X 96.2 mm (ø5.9 X 3.79 in)
Weight	2.10 lbs

*Specification is subject to change without prior notice.

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5.0 Bid specifications

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

6.0 Quality Assurance

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.

7.0 Delivery, Storage, Handling

- General: Delivery, storage, and handling of the Digital Watchdog Camera shall be in accordance with the manufacturer's recommendations.
- Ordering: The manufacturer's ordering instructions and lead-time requirements shall be followed in order to avoid installation delays.
- Delivery: The Digital Watchdog Camera shall be delivered in the manufacturer's original, unopened, undamaged container with identification labels intact.
- 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.

8.0 Warranty (2 Years)

- LABOR: If the Digital Watchdog 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.
- 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.
- 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.

9.0 Certifications

- CE
- FCC
- RoHS