

Bid Specification Sheet

Digital Watchdog DWC-PTZ12X 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-PTZ12X Effio-P Compact Speed Dome. The DWC-PTZ12X has 700TVL (Color), 750TVL (B/W) Resolution, Wide Dynamic Range, Star-Light Low Light Technology, and 3D Digital Noise Reduction.

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-PTZ12X Effio-P Compact Speed Dome shall be equipped with a 1/4" Sony Super HAD (Double Scan) CCD II.
- The camera shall incorporate a 1/4" CCD with 1028(H) x 508 (V), 520K effective pixels.
- The camera shall have a horizontal resolution of 700 lines (colour HIGH mode) and 750 (black and white).
- The camera shall operate in minimum light level of 0.5 lux (0.001 lux DSS ON) in colour imaging and 0.02 lux (0.0004 lux DSS OFF) in black and white
- The camera shall have a shutter speed adjustable among 1/60-1/100000
- The camera shall have Digital Slow Shutter speed of x2-x512
- The camera shall have Wide Dynamic Range.
- The camera shall have 3D Digital Noise Reduction
- The camera shall have Auto Day and Night with IR Cut Filter.
- The camera shall have 8 programmable privacy zones masking
- The camera shall have HME (Highlight Masking Exposure) a.k.a. HLC

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- The camera shall incorporate a 12x optical zoom lens and a 32x digital zoom for total zoom capacity of 384x.
- The camera shall feature 360° panning at a maximum speed of 360°/sec for presets and 180°/sec for scans
- The camera shall have a maximum of 127 programmable preset positions, 8 scans, 4 patterns, 8 groups, and 7 schedules.
- The camera shall have two (2) alarm inputs and one (1) alarm output terminals
- The camera shall not exceed 165mm (diameter) and 162.3mm (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 +50°C.
- The camera shall have a video output of CVBS:1.0V (p-p)/75 Ω with a BNC type connector
- The camera shall incorporate a fan and heater in the housing.
- The camera shall support dual voltage AC24V and DC12V
- Power requirements for the camera shall be:
 - DC12V: 12W, 1A \Rightarrow I cannot figure out what's mean.
 - Fan ON: 1A
 - Fan + Heater ON: 2A
 - AC24V: 12W, 500mA \Rightarrow I cannot figure out what's mean.
 - Fan ON: 500mA
 - Fan + Heater ON: 1A
- The camera material shall consist of aluminium die-casting and polycarbonate.
- The camera weight shall not exceed 3kg.

4.0 Specifications

VIDEO	
Image Sensor	1/4" Sony Super HAD (Double Scan) CCD II
Effective Pixels	1028 (H) x 508 (V), 520K
Horizontal Resolution	750 TV Lines [B&W], 700 TV Lines [Color]
Minimum Illumination	Color: 0.5 Lux, 0.001 Lux [DSS ON] B&W: 0.2 Lux, 0.0004 Lux [DSS OFF]
S/N Ratio	50dB (AGC off)
Video Output	CVBS: 1.0Vp-p / 75 Ω
LENS	
Focal Length	F1.6 (W) ~ F2.7(T) f = 3.8mm (W) ~ 45.6mm (T)
Focus	Auto / Semi-Auto / Manual
Zoom	12X Optical, 32X Digital
OPERATIONAL	
Digital Slow Shutter	x2 ~ x512 / 1/60 ~ 1/100000
3D Digital Noise Reduction	OFF / ON
Wide Dynamic Range	OFF / ON
Day and Night	AUTO / DAY / NIGHT
Auto Gain Control	AUTO / MANUAL / MAX GAIN LIMIT
White Balance	ATW / AWC / MANUAL / INDOOR / OUTDOOR / OUT. AUTO
Motion Detection	Available
Privacy Zones	OFF / ON (8 Programmable Zones)
Highlight Compensation	OFF / ON
PAN / TILT	
Range	Pan: 360° Endless Tilt: 180° (Auto-Flip On), 90° (Auto-Flip Off)
Speed	360°/sec for Presets; 1~180°/sec for Scans; 0.05~360°/sec for Manual Adjustments
Presets	128 with Alphanumeric Labels
Scans	8
Patterns	4 (1000 Commands/Pattern)
Groups	8 (20 Actions/Group)
Schedules	7
GENERAL	
Sensor In / Out	2 In / 1 Out
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)
Approvals	FCC, CE, RoHS, IP66 (Protects against dust and high pressure water.)
Power Requirement	Dual (12VDC & 24VAC)
Power Consumption	12VDC: 12W, 1A , Fan ON: 1.63A, Fan+Heater ON: 2.5A 24VAC: 12W, 500mA, Fan ON: 1A, Fan+Heater ON: 1.5A
Housing Material	Aluminum Die-casting
Bubble Dome Material	Polycarbonate
Dimensions	165 x 157.5 mm (6.5 x 6.2 in)
Weight	6.61 lbs , 3kg

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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