

## Architectural & Engineering Specifications (A & E)

Sealed Outdoor Camera Enclosure universally Compatible with most brand and models of IP and analog PTZ and Mini-Dome Camera.

### PRODUCTS

#### 1.00 MANUFACTURER

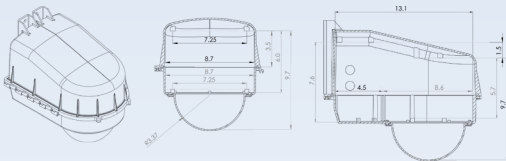
- A. Dotworkz, Inc.  
3688 Midway Drive  
San Diego, CA 92110  
PH. +1 (866) 575-4689  
FAX +1 (619) 639-9914
- B. This product shall be manufactured in the USA using the highest quality.

#### 1.02 GENERAL CAMERA ENCLOSURE DESCRIPTION

- A. Camera Enclosure specified shall be designed for Ethernet network cameras & CCTV cameras for commercial, industrial, or government applications requiring a rugged, sealed outdoor rated camera enclosure with compatibility to house a broad range of Pan Tilt Zoom (PTZ) or fixed Mini-dome cameras that are commercially available for IP, and High Definition, and CCTV capability.
- B. Camera Enclosure shall be minimal outdoor protection rating of IP66 and/or NEMA 4X and shall include harsh environment IP68 or better cable seal strain relief connector ports.
- C. Customer supplies camera to be installed into the enclosure.

# D2-HB-SOLAR Outdoor Housing

Dotworkz D2 Power Saver Heater Blower for Solar Applications



### 1.03 CAMERA ENCLOSURE REQUIREMENTS

- A. Shall provide power to compatible cameras @ 12 VDC nominal.
- B. Shall have an integrated environmental control board for providing power and thermal controls.
- C. Shall include 10 CFM fan / blower; always On.
- D. Shall include a low wattage, thermostatically controlled heater ring that applies 4 watts of direct heat to maintain lens clarity, eliminate fog, and protect camera and housing.
- E. Shall include an integrated dual layer Foam/ Foil insulation that surround inside of housing for protecting camera from extreme cold & thermal solar loading inside of enclosure.

### 1.04 ENCLOSURE MOUNTING REQUIREMENTS

- A. Shall have integrated capacity for wall mounting of enclosure.
- B. Shall be compatible with optional brackets with capacity for strap mounting pole mounting of enclosure, corner mounting bracket options, and parapet mounting options, and non-penetrating roof mounting.
- C. Shall be compatible with a media connection cable of Category 5 and/or Category 5 Enhanced and/or Category 6 twisted pair (UTP) cable, or analog coaxial cable.

### 2.00 Electrical Specification

- A. Source Supply Voltage @ enclosure:  
12 VDC nominal (9.5 - 14 VDC).
- B. Voltage available to power Camera;  
12VDC non-regulated.
- C. Power Consumption:  
Less than 7 watts peak (not including camera load).

### 2.01 Mechanical Specifications - Housings

- A. Weight: 8 lbs. (3.6 kg)
- B. Exterior: 14.9(L) x 13.4(H) x 11.7"(W)
- C. Interior: 8.6(dia @ mount base) x 9.3 tall(6.8 dia. max @ lens) (Maximum camera size).
- D. Hinged Lower with Captive Stainless Steel Fasteners.
- E. Rugged Polycarbonate Housing (0.160" wall).
- F. Clear Acrylic Viewing Lens bubble 6.8" dia. x 3.7" deep.
- G. White Semi-gloss finish to PC housing.
- H. Protective Urethane foam Gasket Seals.
- I. Integrated wall mounting tabs.
- J. Integrated Omni Antennae mounting tab on side.
- K. Certifications: NEMA 4X / IP66.

### 2.02 Environmental Specifications

- A. Operating Temperature Range: -20°F to 145°F (-29°C to 63°C)
- B. Humidity: 10% to 90% non-condensing.
- C. Housing Shall meet or exceed a rating of NEMA 4X and/or IP66.
- D. Shall have two cable entry ports rated to IP67 for power & data cables.
- E. Shall be deployable into a wide range of moderate environments of Residential, Commercial, Industrial, Marine, Desert, and other indoor & outdoor installations.