

Architectural & Engineering Specifications (A & E)

Outdoor D3 Camera Enclosure with integrated Heater Blower MVP de-fogging circuits. Compatible with PTZ and Mini-Dome Cameras and Accessories

PRODUCTS

1.00 MANUFACTURER

A. Dotworkz, Inc.
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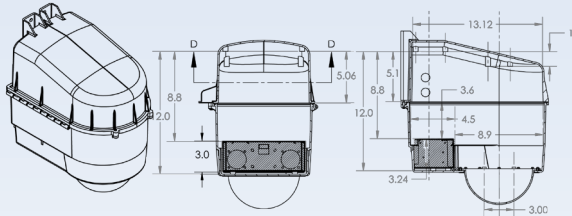
B. This product shall be manufactured in the USA using the highest quality.

1.02 GENERAL CAMERA ENCLOSURE DESCRIPTION

- A. Camera Enclosure specified shall be designed for CCTV or IP camera networks for commercial, industrial, or government & military applications requiring a rugged, sealed outdoor rated camera enclosure with compatibility to house a broad range of fixed cameras commercially available for on IP and High Definition & CCTV model camera integration capability.
- B. The Camera Enclosure shall be minimal rating of IP66 and/or Nema4x.
- C. Camera Enclosure shall include harsh environment cable wiring port seals rated to IP68 or better & providing cable strain relief connectors.
- D. Shall provide integrated capacity for bolt on wall mounting of enclosure.
- E. Compatible with optional brackets with capacity for strap mounting/pole mounting of enclosure.
- F. Camera Enclosure shall be compatible with a media connection cable of Category 5 and/or Cat-5 Enhanced and/or Category 6 twisted pair (UTP) cable, using RJ45 compliant connectors.

D3-HB-SOLAR Outdoor Housing

Dotworkz D3 Power Saver Heater Blower for Solar Applications



1.03 INTEGRATED ENVIRONMENTAL CONTROLS

- 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 - Housing

- 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 - Housing

- A. Weight: 9.5 lbs. (4.3 kg).
- B. Exterior 14.95(L) x 17.6(H) x 11.7"(W).
- C. Interior 8.6(dia)x 13.0(H)x 9.0(depth) (max 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.
- 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 +120°F (-29°C to 49°C).
- B. Humidity: 10% to 90% non-condensing.
- C. Shall be built to a standard rating of NEMA 4X and/or IP66.
- D. Shall include IP68 seals cable gland ports for power and data cables.