dotworkz systems

Architectural & Engineering Specifications (A & E)

S-Type Camera Housing w/ Heater Blower for Solar Compatible with Box / Brick Style Cameras. Offered in dedicated 12 VDC or 24 VDC Models
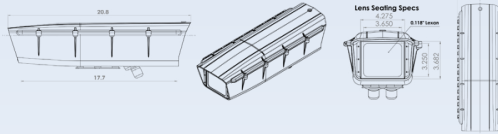
PRODUCTS

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 for box style cameras, with specified shall be designed for Ethernet networks and Analog Systems for commercial, industrial, or government applications requiring a rugged, sealed outdoor rated camera enclosure with compatibility to house a broad range of fixed brick style cameras commercially available for on Analog/ CCTV, IP, and High Definition, and Megapixel capability.

B. Camera Enclosure shall be built to withstand elements to provide camera protection to a rating of IP66 and/or NEMA 4X standard.

C. Housing shall be built to be vandal resistant using heavy duty, thermally stable, & shatter resistant Polycarbonate Thermoplastic.

D. Housing shall be fully Sealed and Suitable for Deployments into a broad range of environments, including Commercial, Industrial, Marine, Fine

E. Dust Particulate, Humid or Dry, and in Indoor or Outdoor Environments.

F. Shall include two IP68 wire ports provided for power & data cabling entry.

1.03 CAMERA ENCLOSURE REQUIREMENTS

A. Shall be an environmentally sealed Polycarbonate thermoplastic housing built to withstand water and dust to an IP rating of IP66.

B. Shall be compatible with a large variety and brands of fixed, Brick style IP and Analog camera systems.

C. Heater Blower-Solar version Shall include integrated 5 watt thermostatically controlled Heater.

D. Thermostatically controlled Heater Shall be mounted directly to Lens Window to provide optimal defogging performance.

E. Enclosure Shall have an Integrated 10 CFM fan blower which shall run continuously.

F. 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.

G. Enclosure Shall include environmental control board for providing power management to thermal protective elements which include a heater and fan, and provide power to a dedicated 12VDC camera on standard model (24 VDC dedicated version available by special order).

H. Shall provide enclosure mounting arm with integrated capacity for wall mounting, with manually adjustable pan angle and tilt angle to housing.

I. Shall have optional capacity to pole mount, via pole mounting bracket accessory EZ-Lock Pole Mount #BR-MPM1, sold separately..

J. Enclosure shall be compatible with a media connection cable of Category 5 and/or Category 5 Enhanced and/or Category 6 twisted pair (UTP) cable, using RJ45 compliant connectors.

K. Wire ports provided shall be compatible with analog coaxial media connection data cable, and seal to a rating of IP68 or better.

L. Enclosure's viewing window shall be optical grade clear Lexan polycarbonate.

2.00 Electrical Specification

A. Integrated capacity to be powered by dedicated nominal 12 VDC (dedicated 24VDC on 24V Models), to be compatible with 12VDC Battery power, or Solar Applications.

B. Enclosure Shall have a maximum power used of under 7 watts peak power consumption when heater is engaged (not including camera power load).

C. Shall have integrated high flow 10 CFM blower fan.

D. Shall have integrated thermostatically controlled 5 watt internal heater.

E. Shall have integrated output terminal to power Camera of 12VDC, with user accessible camera power hook-up (24VDC on dedicated 24V models).

F. Shall include one 12VDC camera power cable with Coaxial barrel connector for quick camera powering hook-up of many common cameras models.

G. Shall have integrated safety fusing on All Camera Power output.

H. Shall have integrated safety fusing on All Integrated Heaters & Blower fans.

2.01 Mechanical Specifications - Housings

A. Weight: 6 lb (2.7 kg) for Standard Model.

B. Exterior 21.0(L) x 5.4(H) x 7.4(W) (without Mounting Arm).

C. Interior 13.0(L) x 3.75(H) x 5.0(W) (cam. install area avail.).

D. Hinged Top with Captive Stainless Steel Fasteners.

E. Rugged Polycarbonate Housing (.195" /5mm wall).

F. Clear Lexan Polycarbonate Viewing Window 3.10"H x 3.65"W x 0.118"gg.

G. White Semi-gloss finish.

H. Protective Urethane Gasket Seals.

2.02 Mechanical Specifications - Mounting Arm

A. Shall include Heavy Duty "Strong-Arm" Cast Aluminum Wall mount Arm and include Stainless Steel hardware to mount Arm to S-Type Enclosure.

B. Mounting Arm Shall have a matching White Powder Coat finish.

C. Provided Mount Arm Shall have Integrated PAN & TILT adjustment Capacity.

D. All Mounting Arms Shall have capacity for Wall mounting of enclosure.

E. Dotworkz Shall have available an optional capacity to pole mount, via optional EZ-Lock Pole Mount Bracket #BR-MPM1, sold separately.

2.03 Environmental Specifications

A. Recommended Operating Temperature Range: -20°F to 122°F (-7°C to 50°C)

B. Absolute Operating Temperature Range -20°F to 140°F (-7° to 60°C)

C. Dedicated thermostat set points: Heater turns "ON" when internal temperature drops to 55°F (13°C), and resets "OFF" when internal temperature rises to 70°F (21°C).

D. Shall operate in a Humidity: 10% to 90% non-condensing.

E. Shall be built to a standard rating of NEMA 4X and/or IP66.

F. Shall provide two IP68 seals cable gland ports for power and data cables.