

Architectural & Engineering Specifications (A & E)

S-Type Camera Housing with COOLDOME™ Active Cooling. Vandal Resistant Camera Housing Compatible with Box / Brick Style Cameras.

PRODUCTS

1.00 MANUFACTURER

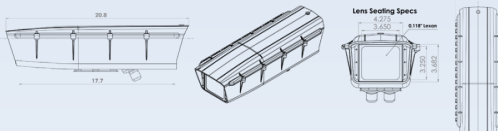
- A. Dotworkz, Inc.
3688 Midway Drive
San Diego, CA 92110
PH. +1 (866) 575-4689
FAX +1 (619) 639-9914
- B. This product shall be manufactured in the USA using the highest quality.

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.

ST-CD-12V Outdoor Housing

Dotworkz S-Type Enclosure with COOLDOME™ Active Cooling Specifications



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. Shall include integrated a dual layer Foam/ Foil insulation that surround inside of housing for protecting camera from extreme cold & thermal solar loading inside of enclosure.
- D. Shall have internally Integrated an 30 CFM fan blower; always on, for cooling & thermal protection.
- E. Shall include environmental control electronics Circuitry for providing power management to Active Cooling, blower fans, and provide power to a 12VDC camera (ST-CD-12V) at up to 40 watts for camera or accessories.
- F. Wall Mounting Bracket shall be provided with capacity to bolt enclosure to wall, with manually adjustable pan angle and tilt angle to housing.
- G. Wall mounting bracket shall have an optional capacity to pole mount, via pole mounting bracket accessory, sold separately.
- H. 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.
- I. Wire ports provided shall be compatible with analog coaxial media connection data cable, and seal to a rating of IP68 or better.
- J. Enclosure's viewing window shall be optical grade clear Lexan polycarbonate.

2.00 Electrical Specification

- A. Shall Operate in Indoor or Outdoor Environment Protecting Camera using Integrated Active Cooling Technology.
- B. Enclosure shall be powered by dedicated nominal 12 VDC.
- C. COOLDOME™ Kit shall include an external step down power supply, Universal Input of 95-264 VAC Single Phase Input Voltage Source.
- D. Shall have integrated a high flow 40 CFM internal blower fan.
- E. Shall have integrated thermostatically controlled 400 BTU Active Cooler.
- F. Camera Mounting bay shall provide protected to a fully sealed NEMA 4X/ IP66 protection standard, when properly closed and installed.
- G. Shall have integrated power to Camera of 12 VDC up to 40 watts, with user accessible camera power hook-up.
- H. Shall include one camera powering cable for quick camera powering hook-up.
- I. Shall have integrated safety fusing on All Camera Power outlets.
- J. Shall have integrated safety fusing on All Integrated Coolers & Blower fans.

2.01 Mechanical Specifications - Housings

- A. Weight: 9 lbs. (4.1 kg) for Enclosure & Wall Mount Arm, COOLDOME™ 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: 30°F to 145°F (-1°C to 63°C)
- B. Absolute Operating Temperature Range: -40°F to 158°F (-40°C to 70°C)
- C. Shall operate in a Humidity: 10% to 90% non-condensing.
- D. Shall be built to a standard rating of NEMA 4X and/or IP66.
- E. Shall provide two IP68 seals cable gland ports for power and data cables.