# dotworkz systems

## 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**
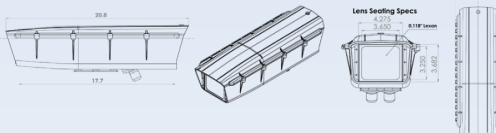
A. Dotworkz, Inc.
   3688 Midway Drive
   San Diego, CA 92110
   PH. +1 (866) 575-4689
   FAX +1 (619) 639-9914

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-24V 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 24VDC camera (ST-CD-24V) 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 24 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 24 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 outputs.

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.