

Architectural & Engineering Specifications (A & E)

Outdoor D3 Camera Enclosure with integrated Active Cooling. Compatible with PTZ and Mini-Dome Cameras and Accessories

PRODUCTS

1.00 MANUFACTURER

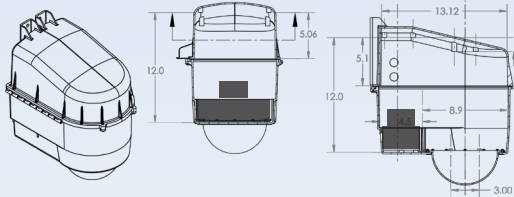
- A. Dotworkz, Inc.
3688 Midway Drive
San Diego, CA 92110
PH. +1 (866) 575-4689
FAX +1 (619) 639-9914
- B. This product shall be manufactured in the USA using the highest quality.

1.02 GENERAL CAMERA ENCLOSURE DESCRIPTION

- A. Camera Enclosure specified shall be designed for 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. Camera Enclosure shall contain 800 BTU of active environmental cooling to integrated components
- C. Camera Enclosure shall provide customer supplied camera & integrated accessories protection a rating of IP66 and/or NEMA 4X
- D. Camera Enclosure shall include harsh environment cable wiring port seals rated to IP68 or better & providing cable strain relief connectors.
- E. Shall provide integrated capacity for bolt on wall mounting of enclosure.
- F. Compatible with optional brackets with capacity for Strap mounting/pole mounting of enclosure.

D3-CD-12V Outdoor Housing

D3 Enclosure with COOLDOME™ Active Cooling Specifications



1.03 INTEGRATED ENVIRONMENTAL CONTROLS

- A. Housing shall be integrated with dual (2) 400 BTU, solid state, Active Air Conditioned Cooling units operating on independently thermostatically controlled cooler circuit for redundancy, for a total system cooling capacity of 800 BTU.
- B. Housing shall be provided with external power supply, supplying output of 500 watts of power to D3 enclosure at 12 VDC.
- C. Shall provide power to compatible cameras @ 12 VDC, and environmental control board for providing power to protective elements which could include a thermostatically controlled active coolers and fans.
- D. COOLDOME™ 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.
- E. Housing Interior shall be fully insulated with dual layer foil foam insulation providing optimal thermal protection against IR, UV, and conductive thermal transmission.
- F. Shall be powered by dedicated nominal 12VDC.
- G. Shall have integrated a high flow 40 CFM blower fan.

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. Shall operate a Source Supply Voltage to power enclosure: 12VDC only.
- B. Shall include a Step-Down External Power Supply Kit to Power COOLDOME™ using supply voltages of 95-264 VAC, and output 12 VDC.
- C. Shall provide ntegrated power to Camera of 12 VDC up to 40 watts, with user accessible camera power hook-up.
- D. Shall include one camera powering cable for quick camera powering hook-up.
- E. Shall include integrated safety fusing on All Camera Power outputs.
- F. Shall include Integrated safety fusing on All Integrated Coolers & Blower fans.

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. Recommended Operating Temperature: 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. Humidity: 10% to 90% non-condensing.
- D. Shall be built to a standard rating of NEMA 4X and/or IP66.
- E. Shall include IP68 seals cable gland ports for power and data cables.