dotworkz®

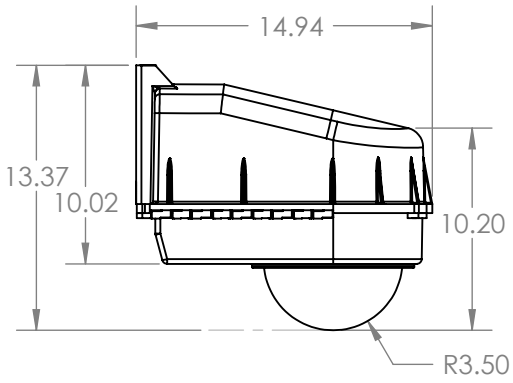
Specifications Sheet

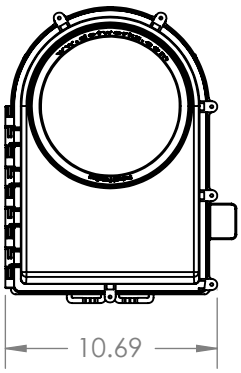
Ordering PN:

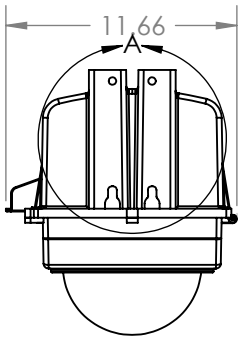
D2-CD

D2 Cooldome™

12VDC Active Cooled IP66 Housing for PTZ Surveillance Cameras







Overview

The Dotworkz D2 Cooldome™ is an actively cooled camera enclosure engineered for demanding outdoor surveillance environments. Designed with Dotworkz Cooldome™ thermo-electric cooling technology, it protects sensitive cameras, encoders, NVRs, small computers, switches, wireless radios, and other electronics from heat damage caused by direct sunlight and extreme heat conditions. Ideal for high-heat zones, remote deployments, AI cameras, railways or critical infrastructure applications.

Key Features

- **COOLDOME™ Active Cooling:** Thermo-electric cooler maintains internal temperatures up to 50°F cooler than ambient air.
- **Thermaly Protected:** Polycarbonate shell with an integrated foil and foam thermal blanket minimizes heat buildup from solar radiation and UV exposure.
- **IP66 Rated:** Airtight, watertight, and dustproof design ideal for marine, desert, and urban installations.
- **Internal Storage Space:** Protects perpheral devices from extreme heat.
- **Always-On Internal Cooling:** Temperature control circuits regulate internal temperature.
- **Optimized for Integration:** Supports internal networking, recording, and wireless gear with up to 3A camera power output.
- **Dome Lens:** Impact resistant nylon material (available in clear or tinted)

Product Attributes

- **Power Consumption (without camera):** 9 amps @ 12 VDC (typical at full load)
- **Input Power Source Options:** 12 VDC, 110 V AC, or 220 VAC
- **Output for Camera Power:** 12 VDC
- **Internal Power Available for Camera:** 3 amps @ 12 VDC
- **Operating Temperature:** -25°C - +65°C (-13°F - +149°F)
- **Active Cooler:** 400 BTU Thermostatically Controlled
- **Fan:** 25 CFM Always On
- **Warranty:** 1 Year Limited Warranty

Dimensional Specifications

Product	Weight: 7.4 lbs	Dimensions (L x W x H): 14.94" x 11.66" x 13.37"
	Weight: 3.4 kgs	Dimensions (L x W x H): 380mm x 296mm x 340mm

Applications:

Perfect for installations where temperature control is mission-critical:

- Traffic intersections
- Coastal or desert environments
- Remote solar-powered sites
- Airports and logistics hubs
- Smart city deployments
- Defense or border security

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Bulk orders and OEM inquiries welcome

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