MADE IN USA

Ordering PN:

HD12-CD

HD12 Cooldome™

12VDC Actively Cooled IP66 Housing for
Broadcast Cameras

Overview

The Dotworkz HD12 product line features robust, large-scale outdoor housings engineered to protect broadcast quality PTZ cameras in the most demanding environments. The HD12-CD model uses our advanced CoolDome™ technology to ensure optimal internal temperature control in extreme conditions. Built to IP66/NEMA 4X standards, the HD12-CD offers superior protection against water, dust, corrosion, and insect intrusion — making it ideal for harsh climate deployments where reliability and durability are critical.
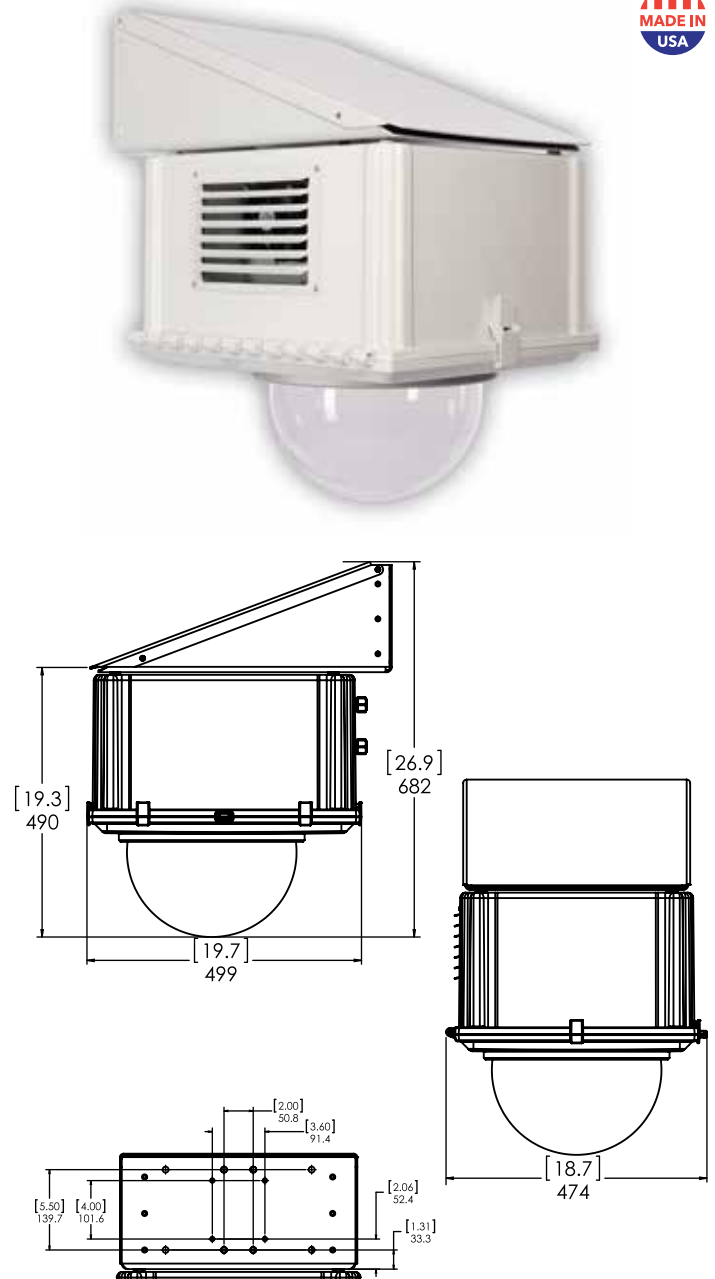
Key Features

• **Cooldome™ Active Cooling:** Thermo-electric cooler maintains internal temperatures up to 50°F cooler than ambient tempature.

• **Thermaly Protected:** 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.

• **Secure Installation:** Multiple mounting options available, including pendant, wall, and pole mounts.

• **Always-On Internal Cooling:** Temperature control circuits regulate internal temperature.

• **Multiple Seal Connections:** Four cable egress locations with multiple gland options ensure reliably sealed connections.

• **Power Supply:** Provides power conversion from 120/220 VAC to 12VDC.

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 x2 (800 BTU)   Thermostatically Controlled

• **Fan:** 25 CFM   Always On

• **Warranty:** 1 Year Limited Warranty

Dimensional Specifications

Product	Weight: 17.5 lbs	Dimensions (L x W x H): 19.7" x 18.7" x 19.3"
	Weight: 7,9 kgs	Dimensions (L x W x H): 500mm x 475mm x 490mm

Applications:

Perfect for installations where temperature control is mission-critical:

• Sport and concert venues

• Coastal or desert environments

• Traffic intersections

• Airports and logistics hubs

• Smart city deployments

• Defense or border security