

PRESSURIZED OUTDOOR DOME - PFD8



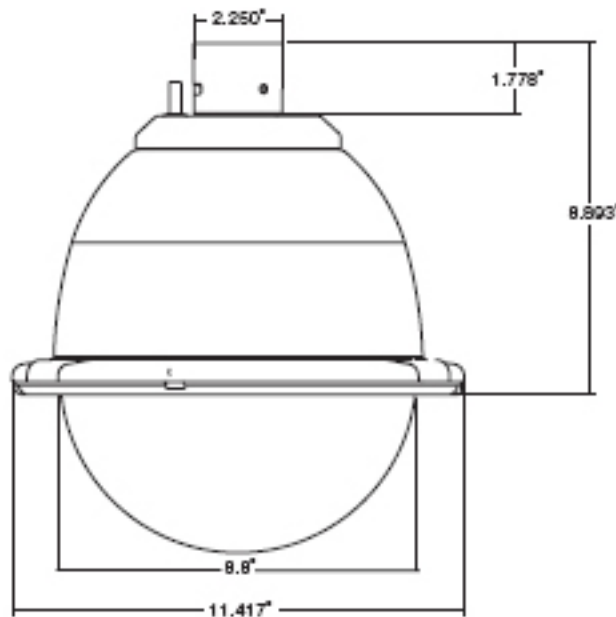
Shown with optional WM20G wall mount

CERTIFICATIONS

- Tested to meet IP67
- Designed to meet NEMA 4X for water ingress
- Patent Pending

ARCHITECTURAL/ENGINEERING SPECIFICATIONS

The outdoor pressurized dome camera housing shall be a model PFD8 or equivalent. The housing shall be designed to accept unitized camera system, network cameras, or one fixed camera, 7" MCL. The housing shall be capable of withstanding a total of 5 psi of nitrogen gas injected through a Schraeder valve located on top of the machined stainless steel plate. A pressure relief valve located across from the Schraeder valve will provide an escape for pressure exceeding 5 psi. Two (2) o-ring seals shall be included, 0.136" x 9.25" (inner diameter) and 0.136" x 4.5" (inner diameter). A 10-pin hermetically sealed connector, located at the top of the pressurized housing shall provide power, video and control functions. The housing shall be constructed of 0.125" durable engineered plastic, UV with a UL flame rating of 945VA. The lower dome portion shall be constructed of distortion-free cast acrylic (free blown) and be 8.9" in diameter. The dome shall be held in place with minimum of (9) fasteners, and a safety cable shall be provided to hold the dome while servicing. Access to the enclosure shall be from below with (9) captive fasteners used to press the dome against a sealing o-ring. A twist-off feature shall allow for the final removal of the dome. The housing shall come standard with pendant mount. A wall mount bracket, Videolarm model WM40SS shall be available as an option. The housing shall include a camera mounting bracket that integrates a heater and blower. The blower shall draw 1.4W continuous power. The 50W heater shall turn on at 40°F and turn off at 60°F. The housing shall support a temperature range of -50° to 120°F. The unit shall have a weight not to exceed 10 lbs. (without camera) and dimensions of 13.0"H x 11.5"W x 11.5"D.



ENVIRONMENTAL SPECIFICATIONS

Operating Temperature: -50° F to +120° F
 Heater activates at +40° F (+/-8°), deactivates at +60° F (+/-5°)
 Effective Projected Area (EPA): Approx. 180 square inches
 Operating Humidity: Up to 100%

LOW PRESSURE ALARM SPECIFICATIONS (PFD8C2A)

Switch Type: SPST Normally open
 Current Rating 40mA resistive for life in excess of 20 million cycles
 Operating Voltage AC/DC - 30V or less with resistive load
 Pressure Set Point .43psi (29.8mbar)

ELECTRICAL SPECIFICATIONS

24 VAC 52 watts (excluding camera)

DESCRIPTION

The PFD8 outdoor 8" FusionDome™ offers versatility and camera protection in a compact size, and pressurization. Pressurization eliminates the effects of moisture, dirt, and pollution on valuable camera equipment. The PFD8 unitized camera systems from Videolarm, Sensormatic/AD, Trinus, and Pelco, network cameras, or a single fixed camera with a maximum camera length of 7.5" can be placed in the unit. A heater and blower are standard with the PFD8

FEATURES

- Durable engineered plastic top, 945VA, UV protected
- Pressurized to 5 psi
- Schrader valve, and pressure relief valve
- Pendant mount, optional WM20G gooseneck mount available
- Accepts Videolarm or other manufacturer's unitized camera systems, network cameras, one fixed camera (7" MCL)
- Heater/blower standard
- Available as an S-View™ model with unitized p/t/z camera

MECHANICAL SPECIFICATIONS

Size (h x w x d): 13.5" x 11.5" x 11.5"
 Weight: 10 lbs.
 Construction:
 Top: .125" engineered plastic
 Dome: Cell-cast acrylic
 Wall Mount Bracket: WM12 cast aluminum wall bracket standard.
 Components:
 Seals: .136" x 10.25" O-ring (FD8 and PFD8)
 .136" x 4.5" O-ring (PFD8 only)
 Pressure Relief Valve: 3 - 5psi
 Schraeder Valve: Nitrogen input
 Power Connectors
 (power/video/controls): 10-pin Souriau, hermetically sealed

MODELS

PFD8C2 - Pendant mount pressurized FusionDome™ with clear lower dome, 24 VAC heater/blower/camera, and universal mounting plate for unitized camera systems
 PFD8C2A - Same as PFD8C2 except with fixed camera bracket
 PFD8C2A - Same as PFD8C2 except with Low Pressure Alarm

NOTE: Replace "C" with "T" in model number for tinted dome (1 F-stop light reduction)

SHIPPING SPECIFICATIONS

Model	Unit Weight	Shipping Weight	Shipping Box Dim.
PFD8	7 lbs	7 lbs	17 x 14 x 17

* Shipping weights depend on box dimensions.