

OUTDOOR NETWORK CAMERA HOUSINGS - FDW8CN, PFD8CN



PFD8CN
Pressurized Dome

DESCRIPTION

The 8" FusionDome™ offers versatility and outstanding camera protection in a compact size. Videolarm now features brackets to adapt the leading network cameras to the FusionDome™ for even more choice. Available for outdoor or indoor applications, standard or pressurized.

FEATURES

- Durable engineered plastic top, 94V0, outdoor units are also UV protected
- PFD8C model pressurized to protect against dust, moisture, and insects
- FDW8C and PFD8C feature heater/blower standard
- FDW8C and IFDP8C available wall mount or pendant
- Available in wall or pendant mount
- **Brackets available for the JVC VN-C30U, Canon VB-C10R, Axis 2130R, and Panasonic KX-HCM280**



FDW8CN
Standard Dome

CERTIFICATIONS

FDW - Designed to meet IP56
PFD - Tested to meet IP67

ARCHITECTURAL/ENGINEERING SPECIFICATIONS

For standard outdoor applications the camera shall be housed in an FDW8C wall mount enclosure. Blowers and thermostatically controlled heaters shall be included. Units shall be available with 24 VAC inputs. The housing top shall be manufactured from high-impact engineered plastic, UV protected, with a UL flame rating of 94V0. The dome shall be made of thermoformed, optically clear, cell-cast acrylic, and shall be held in place with 3 captive fasteners. Both clear and tinted domes shall be available. A safety cable shall be provided to hold the dome while servicing. 24 VAC models shall include a 24 VAC to 12 VDC power supply for the camera.

For pressurized outdoor applications the camera shall be housed in a PFD8C pressurized pendant mount enclosure. The pipe thread for the pendant shall be 1.5" in diameter. Blowers and thermostatically controlled heaters shall be included. Units shall be available with 24 VAC inputs. A secondary O-ring seal shall be provided at the top of the enclosure through a precision machined bracket. This machined bracket shall also be provided with a 3 to 5 psi pressure-relief valve and a standard bore thread drill valve to insert inert dry nitrogen into the enclosure. All incoming wires will enter the unit via a 10-pin hermetically sealed connector. The housing top shall be manufactured from high-impact engineered plastic, UV protected, with a UL flame rating of 94V0. The dome shall be made of thermoformed, optically clear, cell-cast acrylic, and shall be held in place with 9 captive fasteners, used to press the dome against the sealing O-ring. Both clear and tinted domes shall be available. A safety cable shall be provided to hold the dome while servicing.

For indoor applications the camera shall be housed in a pendant mount IFDP8C. The pipe thread for the pendant shall be shall be 1" in diameter. The housing top shall be manufactured from high impact engineered plastic. The dome shall be made of thermoformed, optically clear, cell-cast acrylic, and shall be held in place with 3 captive fasteners. Both clear and tinted domes shall be available. A safety cable shall be provided to hold the dome while servicing.

MECHANICAL SPECIFICATIONS

Size (h x w x d):	13.5" x 11.5" x 16.1"
Weight:	11 lbs.
Construction:	
Top:	.125" engineered plastic
Dome:	Cell-cast acrylic
Mounting Bracket:	Cast or machined aluminum
Seals:	.136" x 10.25" O-ring .136" x 4.5" O-ring (PFD8C2/AX)
Pressurized version only:	
Pressure Relief Valve:	3 - 5psi
Schraeder Valve:	Nitrogen input
Power, video, & control connector:	10-pin Souriau, hermetically sealed

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature:	
Standard	-20° F to +120° F
Pressurized	-50° F to +120° F
Effective Projected Area (EPA):	Approx. 180 square inches

MODELS

Standard Outdoor - FusionDome™

- FDW8C2N** - Wall mount, 24 VAC input, heater/blower, clear dome, 110 to 24 VAC transformer
- FDP8C2N** - Pendant mount, 24 VAC input, heater/blower, clear dome, 110 to 24 VAC transformer

Pressurized Outdoor - FusionDome™

- PFD8C2N** - WM20G wall mount, 24 VAC, heater/blower, clear dome, 110 to 24 VAC transformer

NOTE: Tinted dome available separately

SHIPPING SPECIFICATIONS

Model	Unit Weight	Shipping Weight	Shipping Box Dim.
FDW8C	10 lbs	11 lbs	17 x 14 x 17
PFD8C	10 lbs	11 lbs	17 x 14 x 17
IFDP8C	10 lbs	11 lbs	17 x 14 x 17

* Shipping weights depend on box dimensions.