

PPFD9CN

Housing: Pressurized Dome

PRODUCT FEATURES

- Pressurized camera housing for Panasonic WV-NS954/WV-NS202A/WV-NF302/WV-NF284 unitized dome network camera systems
- Constructed of durable engineered plastic top, 945VA, with UV protected polycarbonate dome
- Standard with pendant mount
- PPFD9CN meets CE and IP67 standards
- Optional PWM20G gooseneck mount for wall mount applications
- Pressurized to 7 psi (48KPa)
- Schraeder valve
- Relief valve
- Multi-pin sealed connector
- 50W heater turns on at 60°F (15°C) and off at 80°F (27°C)
- Power and video surge protector

ELECTRICAL SPECIFICATIONS

Power: 24 VAC 52 watts (excluding camera)
24 VAC 68 watts with camera

MECHANICAL SPECIFICATIONS

Size (HxWxD):

13" x 11.5" x 11.5" (330 x 292 x 292mm)

Weight: 8 lbs. (3.7Kg) without camera

Construction:

Top: .125" (3mm) engineered plastic top, 945VA flame rated, and UV protected

Dome: Injection molded polycarbonate

Components:

Seals: .136" x 9.25" (3.5x235mm)

& .136" x 4.5" (3.5x114mm) O-rings

Pressure Relief Valve: 5-7 psi (35-48KPa)

Nitrogen input: Schraeder Valve

Power Connectors: (power/video/controls):
10-pin Souriau, hermetically sealed

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature: -50° F to +120° F
(-45 to 50°C)

Heater activates at +40° F (+/- 8° F), deactivates
at +60° F (+/- 5° F)

Effective Projected Area (EPA): approx. 180 in²
(1162 cm²)

SHIPPING

PPFD9CN: 11 lbs (5.0 Kg)

17" x 14" x 17" (432 x 356 x 432mm)



DESCRIPTION

The **PPFD9CN** pressurized dome housing is sealed and charged with dry nitrogen. The nitrogen charge provides maximum protection from moisture, dust and insects, elements that normally would cause costly deterioration of video components in other housings.

OPTIONS/ACCESSORIES

- | | |
|----------------|--|
| PPMF12D | - Pendant mount bracket |
| PWM20G | - Aluminum, gooseneck wall mount bracket |
| PWM30G | - Aluminum, parapet mount bracket w/o extension |
| PPRM30G | - Aluminum, parapet mount bracket |
| PACA2 | - Aluminum, corner mount adaptor, must be used with PWM20G |
| PAPM3 | - Aluminum, pole mount adaptor, must be used with PWM20G |

BID SPECIFICATIONS

The outdoor pressurized dome camera housing shall be a Panasonic model PPFD9CN or equivalent. The housing shall be designed for Panasonic's WV-NS954/WV-NS202A/WV-NF302/WV-NF284 unitized dome camera systems. The housing shall be capable of withstanding a total of 7 psi (48KPa) of nitrogen gas injected through a Schraeder valve located on top machined aluminum plate. A pressure relief valve located across from the Schraeder valve will provide an escape for pressure exceeding 7 psi (48KPa). Two (2) o-ring seals shall be included, 0.136"(3.5mm) x 9.25"(235mm) (inner diameter) and 0.136"(3.5mm) x 4.5"(114mm) (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" (3mm) durable engineered plastic, UV with a UL flame rating of 945VA. The lower dome portion shall be constructed of distortion-free injection molded polycarbonate and be 7.25"(185mm) 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, Panasonic model PWM20G, shall be available as an option. The housing shall include a camera mounting bracket that integrates a heater, blower, video and power surge protector capable of clamping differential mode voltage between 54 - 72V and common mode voltage from 27 - 36V. The housing shall be powered with 24VAC (60Hz) and have a power consumption not to exceed 52W not including the Unitized Camera. The blower shall draw 1.4W continuous power. The 50W heater shall turn on at 60°F (15°C) and turn off at 80°F (27°C). A ground isolation transformer, Panasonic model PWBT1621, shall be available as an option. The housing shall support a temperature range of -50° to 120°F (-45° to 50°C).

The unit shall have a weight not to exceed 8 lbs. (3.7Kg) (without camera) and dimensions of 13.0" (330mm) H x 11.5" (292mm) W x 11.5" (292mm) D.

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