



SpeedDome® Ultra

PRESSURIZED OUTDOOR DOME HOUSING



FEATURES

- Durable engineered plastic top, UV protected
- IP67, NEMA 4x rated
- Pressurized to 5 psi
- Schrader valve
- Pressure relief valve
- Pendant, wall and corner mount available
- Heater and blower standard
- Low pressure alarm

The SpeedDome Ultra pressurized outdoor housing allows the SpeedDome Ultra dome to be installed in virtually any hostile environment. The housing is pressurized, temperature controlled and weatherproof, protecting the dome from a wide range of outside elements such as moisture, dust and temperature fluctuations. In extreme temperatures, the housing's built-in thermostat and heater prevents ice from forming on the outside bubble. The bubble assembly is affixed to the top via nine screws.

Simply plug in the video cable, connect power and data, and install any SpeedDome Ultra. Diagnostic power and communications LEDs confirm proper connection and aid in troubleshooting. A choice of wall, pendant or corner mounts accommodate the housing, making it easy to install. The housing is equipped with surge protection provided to all video and external lines. The housing is supplied with a choice of either clear or smoked bubble.

SPECIFICATIONS

Model Numbers

- RHODULP-01Pressure Housing with Integrated I/O Board and Clear Bubble (f0)
- RHODULP-02Housing with Integrated I/O Board and Smoked Bubble (f1.0)

Electrical

- Voltage24-28 VAC
- Power52 watts
- Power-On In-Rush Current2.5 A
- Surge Protection
 - VideoSeries resistor of 3.9 Ω; low-capacitance Zener suppressor of 6.5 V, 1500 watts, 500 watts, 8/20 μsec impulse, 500 watts, 10 kA impulse rated gas tube
- Manchester/SensorNetIsolation transformer coupled, 2000 Vrms; PTC resettable fuse protects transformer; TVS rated at 5.6 V, 40 A, 0.1 joules, 8/20 μsec impulse, 500 watts, 10 kA impulse rated gas tube
- RS-422Series resistors of 33 Ω; TVS rated at 5.6 V, 40 A, 0.1 joules, 8/20 μsec impulse, 500 watts, 10 kA impulse rated gas tube
- Power LineTVS rated at 60 V, 250 A, 1.5 joules, 8/20 μsec impulse, 500 watts, 10 kA impulse rated gas tube

Mechanical

- Construction
 - EnclosureAluminum
 - ColorWhite
 - Height325 mm (12.8 in)
 - Diameter409 mm (16.1 in)
 - Weight3.63 kg (8.0 lbs)
 - BubbleAcrylic

Maximum Distances From Power Source

Dome and housing to be connected to a Class 2 LPS, 24 VAC, 80 VA power source (do not exceed maximum outdoor Class 2 ratings of 30 VAC, 100 VA).

Connectors (on integrated I/O board)

- Manchester/SensorNetTwo-position 3.5 mm Euro-style terminal block
- RS-422Four-position 3.5 mm Euro-style terminal block
- Video OutputFemale BNC
- I/O ConnectorSpring contact gold fingers for mate with SpeedDome Ultra housing/eyeball assemblies
- AlarmLow pressure alarm pre-wired (alarm inputs 2-4 are not used)

Environmental

- Weatherproof StandardNEMA 4X/IP67
- Temperature
 - Operating-40° to 50° C (-40° to 122° F)
 - Humidity0 to 95% RH (non-condensing)
 - Storage-10° to 50° C (14° to 122° F)

Regulatory

- EmissionsFCC: 47 CFR Part 15, Subpart B Class A
CE: EN55022 Class B
CE: EN6100-6-1
ICES-003
- ImmunityCE: EN50130-4
- SafetyUL: UL2044
CE: EN60950

Accessories

- WM20GAluminum gooseneck wall mount bracket for RHODULP pressurized housings
- ACA2Aluminum corner mount bracket for RHODULP pressurized housings, to be used in conjunction with WM20G
- APM3Aluminum pole mount bracket for RHODULP pressurized housings, to be used in conjunction with WM20G
- RHONKIT*Nitrogen recharge kit with hose, regulator and tank. Tank holds sufficient gas for three housings
- RHONTANK*Nitrogen tank for use with RHONKIT or equivalent. Tank holds sufficient gas for three housings
- RHONREGHose and regulator kit for RHONTANK or equivalent. For use when gas is to be sourced locally

* Please check with your salesperson for recharge kit availability in your geographic region.

Note: For proper performance, the dome housing must be pressurized using 99.998% dry nitrogen.