

DF8 SERIES FIXED MOUNT DOME

TECHNICAL SPECIFICATIONS

SECURITY SYSTEM

DIVISION – 28 ELECTRONIC SAFETY AND SECURITY

LEVEL 1__28 20 00 ELECTRONIC SURVEILLANCE

LEVEL 2__28 23 00 VIDEO SURVEILLANCE

LEVEL 3__28 23 29 VIDEO SURVEILLANCE REMOTE DEVICES AND SENSORS

PART 2 – PRODUCTS

2.01 GENERAL

- A. All equipment and materials used shall be standard components that are regularly manufactured and used in the manufacturer's system.
- B. All systems and components shall have been thoroughly tested and proven in —actual use.
- C. All systems and components shall be provided with the availability of a toll-free (U.S. and Canada), 24-hour technical assistance program (TAP) from the manufacturer.- The TAP shall allow for immediate technical assistance for either the dealer/installer or the end user at no charge for as long as the product is installed.
- D. All systems and components shall be provided with a one-day turnaround repair express and 24-hour parts replacement. The repair and parts express shall be guaranteed by the manufacturer on warranty and nonwarranty items.

2.02 FIXED MOUNT DOME

- A. The fixed mount domes are 8 inches in diameter, shall allow for easy installation, and shall allow for indoor/outdoor applications. The versatile fixed camera mount shall allow for 360 degree horizontal positioning and shall accommodate a camera and lens up to 8.75 inches (22.23 cm) in length when tilted to 30 degrees. The lower dome, which is 8.3 inches (21.08 cm) in diameter, is easily removed for quick camera access.
- B. The fixed mount in-ceiling models shall allow for installation into hard ceilings or standard 2 feet x 2 feet (61 x 61 cm) suspended ceilings. This compact dome requires as little as 5.2 inches (13.2 cm) of overhead space above the ceiling for installation. The fixed mount pendant models shall mount directly to any recommended mount, flush to a ceiling, or to 1.5 NPT female pipe threads. The environmental domes shall include a sun shield and heater kit and are suitable for use in temperatures to -60°F (-51°C).
- C. The fixed mount dome shall meet or exceed the following design and performance specifications.

2.03 ELECTRICAL SPECIFICATIONS

- A. Input Voltage 14-30 VAC (outdoor models only)
- B. Input Power 58 VA at 24 VAC (for heater)

2.04 ENVIRONMENTAL SPECIFICATIONS

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|--------------------------|---|
| A. Environment | Indoor/outdoor |
| B. Operating Temperature | |
| 1. Indoor | 32° to 120°F (0° to 49°C) |
| 2. Outdoor* | 140°F (60°C) absolute maximum;
122°F (50°C) sustained maximum;
-60°F (-51°C) absolute minimum;
prevents icing at sustained minimum of -50°F (-45°C); de-ices 0.1 inch (2.5 mm) within 3 hours after power-up.
*Assumes no wind chill factor |

2.05 PHYSICAL SPECIFICATIONS

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|-----------------|---------------------------------------|
| A. Construction | |
| 1. Back Box | Aluminum |
| 2. Bubble | Acrylic plastic |
| 3. Trim Ring | Aluminum |
| B. Finish | Polyester power coat (pendant models) |
| C. Weight | |
| 1. In-Ceiling | 3.1 lb (1.4 kg) |
| 2. Pendant | |
| a. Indoor | 6.0 lb (2.72 kg) |
| b. Outdoor | 8.5 lb (3.85 kg) |

2.06 MECHANICAL SPECIFICATIONS

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|---------------------------------|---|
| A. Cable Entry | |
| 1. In-Ceiling | 0.875-inch (2.22 cm) knockouts positioned in top and sides of back box |
| 2. Pendant | Through top of dome |
| B. Maximum Camera and Lens Size | The following dimensions are specified according to fixed camera mount position and include allowance for the BNC connector. Actual length may vary if width and height of camera and lens are different. |
| 1. In-Ceiling | |
| a. Horizontal | 7.25" L x 2.75" W x 2.6" H
(18.42 x 6.99 x 6.60 cm) |
| b. 15° Angle | 7.75" L x 2.75" W x 2.6" H
(19.69 x 6.99 x 6.60 cm) |
| c. 30° Angle | 8.75" L x 2.75" W x 2.6" H
(22.23 x 6.99 x 6.60 cm) |
| 2. Pendant | |
| a. Horizontal | 7.25" L x 2.75" W x 2.6" H
(18.42 x 6.99 x 6.60 cm) |
| b. 15° Angle | 7.75" L x 3.0" W x 3.0" H
(19.69 x 7.62 x 7.62 cm) |
| c. 30° Angle | 8.75" L x 3.0" W x 3.0" H
(22.23 x 7.62 x 7.62 cm) |

2.07 CERTIFICATIONS

- A. UL Listed
- B. UL Listed to Canadian safety standards
- C. Meets NEMA Type 4X and IP66 standards

2.08 WARRANTY

- A. 2 years, parts and labor

2.09 PELCO MODEL NUMBERS

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| A. DF8A | In-ceiling; indoor; smoked bronze bubble, 1 F-stop light loss |
| B. DF8A-0 | In-ceiling; indoor; opaque black bubble with smoked window, 0.7 F-stop light loss |
| C. DF8A-1 | In-ceiling; indoor; opaque black bubble with clear window, zero light loss |
| D. DF8A-2 | In-ceiling; indoor; chrome bubble, 2 F-stops light loss |
| E. DF8A-3 | In-ceiling; indoor; gold bubble, 2 F-stops light loss |
| F. DF8A-10 | In-ceiling; indoor; opaque white bubble with clear window, zero light loss |
| G. DF8-PB-0 | Pendant; indoor; black; opaque black bubble with smoked window, 0.7 F-stop light loss |
| H. DF8-PB-1 | Pendant; indoor; black; opaque black bubble with clear window, zero light loss |
| I. DF8-PB-2 | Pendant; indoor; black; chrome bubble, 2 F-stops light loss |
| J. DF8-PB-3 | Pendant; indoor; black; gold bubble, 2 F-stops light loss |
| K. DF8-PG-0 | Pendant; indoor; gray; opaque black bubble with smoked window, 0.7 F-stop light loss |
| L. DF8-PG-1 | Pendant; indoor; gray; opaque black bubble with clear window, zero light loss |
| M. DF8-PG-2 | Pendant; indoor; gray; chrome bubble, 2 F-stops light loss |
| N. DF8-PG-3 | Pendant; indoor; gray; gold bubble, 2 F-stops light loss |
| O. DF8-PG-E0 | Pendant; outdoor; gray; opaque black bubble with smoked window, 0.7 F-stop light loss; heater and blower |
| P. DF8-PG-E1 | Pendant; outdoor; gray; opaque black bubble with clear window, zero light loss; heater and blower |

(Revised November 6, 2006)