

## **DF5 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 5 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 5 inches (12.7 cm) in length. The lower dome 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. These compact domes require as little as 5.25 inches (13.3 cm) of overhead space above the ceiling for installation. The shortened in-ceiling models require as little as 2.75 inches (7.0 cm) of overhead space above the ceiling for installation. The shortened in-ceiling models can also be used in surface mount applications. 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). The heavy-duty domes shall include a thicker sun shroud and a strengthened lower dome bubble for added security.
- C. The fixed mount dome shall meet or exceed the following design and performance specifications.

### **2.03 ELECTRICAL SPECIFICATIONS**

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

**2.04 ENVIRONMENTAL SPECIFICATIONS**

- |                          |   |
|--------------------------|---|
| A. Environment           | Indoor/outdoor  |
| B. Operating Temperature |   |
| 1. Indoor                | 32° to 122°F (0° to 50°C)   |
| 2. Outdoor*              | 140°F (60°C) absolute maximum;<br>122°F (50°C) sustained maximum;<br>-60°F (-51°C) absolute minimum;<br>prevents icing at sustained minimum of -50°F (-45°C);<br>de-ices 0.1 inch (2.5 mm) within 3 hours after power-up. |

\* Assumes no wind chill factor

**2.04 PHYSICAL SPECIFICATIONS**

- |                             |   |
|-----------------------------|---|
| A. Construction             |   |
| 1. Back Box                 | Aluminum                                    |
| 2. Mounting Bracket         | Steel                                       |
| 3. Bubble                   |   |
| a. DF5, DF5S,<br>and DF5-PG | Acrylic                                     |
| b. DF5HD                    | Clear polycarbonate, 0.090-inch thick       |
| c. DF5-0F                   | Smoked acrylic flat window, 0.06-inch thick |
| B. Weight                   |   |
| 1. DF5                      | 2.80 lb (1.27 kg)                           |
| 2. DF5S                     | 2.65 lb (1.20 kg)                           |
| 3. DF5HD                    | 3.77 lb (1.71 kg)                           |
| 4. DF5-0F                   | 2.65 lb (1.20 kg)                           |
| 5. DF5-PG                   |   |
| a. Indoor                   | 3.65 lb (1.66 kg)                           |
| b. Outdoor                  | 5.30 lb (2.40 kg)                           |
| 6. DF5HD-PG                 |   |
| a. Indoor                   | 6.28 lb (2.85 kg)                           |
| b. Outdoor                  | 6.58 lb (2.98 kg)                           |

**2.06 MECHANICAL SPECIFICATIONS**

- |   |  |
|---|--|
| A. Cable Entry                                  |  |
| 1. In-Ceiling                                   | 0.75-inch conduit fitting  |
| 2. Pendant                                      | Through 1.5-inch NPT pendant mount   |
| B. Maximum Camera<br>and Lens Size              | The following dimensions are specified according to<br>fixed camera mount position and include allowance for<br>the BNC connector. Actual length may vary if width and<br>height of camera and lens are different. |
| 1. DF5, DF5S,<br>DF5HD, DF5-PG,<br>and DF5HD-PG | 5.00" L x 2.75" W x 2.75" H<br>(12.70 x 6.99 x 6.99 cm)  |
| 2. DF5-0F                                       | 4.5" L x 2.75" W x 2.75" H<br>(11.43 x 6.99 x 6.99 cm)   |

**2.07 CERTIFICATIONS**

- A. UL Listed
- B. UL Listed to Canadian safety standards
- C. Meets NEMA Type 1 and IP20 standards (in-ceiling models)
- D. Meets NEMA Type 4X and IP66 standards (pendant models)

**2.08 WARRANTY**

- A. 2 years, parts and labor

**2.09 PELCO MODEL NUMBERS**

- |               |   |
|---------------|---|
| A. DF5-0      | In-ceiling; indoor; smoked bubble, 0.5 F-stop light loss  |
| B. DF5-1      | In-ceiling; indoor; clear bubble with opaque liner, virtually no light loss                                       |
| C. DF5HD-1    | In-ceiling; indoor; heavy-duty back box; heavy-duty clear bubble  |
| D. DF5-2      | In-ceiling; indoor; chrome bubble, 2 F-stops light loss   |
| E. DF5-3      | In-ceiling; indoor; gold bubble, 2 F-stops light loss   |
| F. DF5-0F     | In-ceiling; indoor; flat window, smoked, 0.5 F-stop light loss  |
| G. DF5S-0     | In-ceiling or surface mount*; indoor; shortened back box; smoked bubble, 0.5 F-stop light loss                    |
| H. DF5S-1     | In-ceiling or surface mount*; indoor; shortened back box; clear bubble with opaque liner, virtually no light loss |
| I. DF5S-2     | In-ceiling or surface mount*; indoor; shortened back box; chrome bubble, 2 F-stops light loss                     |
| J. DF5S-3     | In-ceiling or surface mount*; indoor; shortened back box; gold bubble, 2 F-stops light loss                       |
| K. DF5-PB-0   | Pendant; indoor; black; smoked bubble, 0.5 F-stop light loss  |
| L. DF5-PB-1   | Pendant; indoor; black; clear bubble, virtually no light loss   |
| M. DF5-PB-2   | Pendant; indoor; black; chrome bubble, 2 F-stops light loss   |
| N. DF5-PB-3   | Pendant; indoor; black; gold bubble, 2 F-stops light loss   |
| O. DF5-PG-0   | Pendant; indoor; gray; smoked bubble, 0.5 F-stop light loss   |
| P. DF5-PG-1   | Pendant; indoor; gray; clear bubble, virtually no light loss  |
| Q. DF5HD-PG-1 | Pendant, indoor; heavy-duty back box; gray; heavy-duty clear bubble   |
| R. DF5-PG-2   | Pendant; indoor; gray; chrome bubble, 2 F-stops light loss  |

S. DF5-PG-3	Pendant; indoor; gray; gold bubble, 2 F-stops light loss
T. DF5-PG-E0	Pendant; outdoor; gray; smoked bubble, 0.5 F-stop light loss; heater and sun shield
U. DF5-PG-E1	Pendant; outdoor; gray; clear bubble, virtually no light loss; heater and sun shield
V. DF5HD-PG-E1	Pendant; outdoor; heavy-duty back box; gray; heavy-duty clear bubble; heater and sun shield

\*The DF5S models require the DF5S-SMKIT to be used in surface mount applications.

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