

[Project No.]
[Date]

[Project Name]
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**SECTION 28 23 29
FUSION STAINLESS STEEL DOME HOUSING
MOOG VIDEOLARM A&E SPECIFICATION SSDP SERIES**

DIVISION 28- ELECTRONIC SAFETY AND SECURITY

28 20 00 ELECTRONIC SURVEILLANCE

28 23 00 VIDEO SURVEILLANCE

28 23 29 VIDEO SURVEILLANCE REMOTE DEVICES AND SENSORS

[Author Name]
[File Name]

Stainless Steel Housing

SECTION 28 23 29
FUSION STAINLESS STEEL DOME HOUSING
SSDP75C
SSDP75C2
SSDP75C2Y

ARTICAL I. – GENERAL

1.01 SUMMARY

- A. Section Includes
- B. IP 67 Outdoor camera housing system
 - 1. 26 00 00 – Electrical (Division 26)
 - a. 26 05 00 – Common Work Results for Electrical
 - b. 26 06 00 – Schedules for Electrical
 - c. 26 08 00 – Commissioning of Electrical Systems
 - d. 26 20 00 – Low Voltage Electrical Distribution
 - e. 26 40 00 – Electrical and Cathodic Protection
 - 2. 28 00 00 – Electronic Safety and Security (Division 28)
 - a. 28 05 00 – Common Work Results for Electronic Safety and Security
 - b. 28 06 00 – Schedules for Electronic Safety and Security
 - c. 28 08 00 – Commissioning of Electronic Safety and Security
 - d. 28 23 23 – Video Surveillance Systems Infrastructure

1.02 REFERENCES

- A. Abbreviations and Acronyms
 - 1. CCTV – Closed Circuit Television
- B. References Standards
 - 2. Federal Communications Commission (FCC), Code of Federal Regulations, Title 47, Part 15
 - 3. European Union – EN60950 – Safety of Information Technology Equipment (ITE)
 - 4. IEC 60721 – Classification of Environmental Conditions
 - 5. IEC 60068 – Environmental Testing
 - 6. ANSI / IEC 60529 – Degrees of Protection Provided by Enclosures
 - 7. International Electrotechnical Commission (IEC) – Ingress Protection Rating IP67
 - 8. National Electrical Manufacturers Association (NEMA) – 4x Enclosure Rating
 - 9. Institute of Electronic and Electrical Engineers (IEEE) 802.3 standards

1.03 SUBMITTALS

- A. Product Data
 - 1. Manufacturer's printed or electronic data sheets
 - 2. Manufacturer's installation and operation manuals
 - 3. Warranty documentation

1.04 QUALITY ASSURANCE

- A. Qualifications
 - 1. The system, including housing, shall be manufactured in the United States, using ISO 9001 certified procedures
 - 2. Manufacturer of system shall have a minimum of three years' experience of successful manufacture and installation of systems equivalent in function to the system proposed herein
 - 3. Installation contractor shall be factory authorized to install, service, and maintain the system by the system manufacturer

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Delivery, storage, and handling of the system shall be in accordance with the manufacturer's recommendations
- B. The manufacturer's ordering instructions and lead-time requirements shall be followed to avoid delivery and installation delays

1.06 WARRANTY

- A. Manufacturer shall provide a limited warranty for the outdoor camera housing system to be free from defects in material and workmanship for a minimum of five years

ARTICAL II. – PRODUCTS

2.01 EQUIPMENT

- A. Manufacturer:
 - Moog Videolarm
 - 2525 Park Central Blvd
 - Decatur, GA 30035 USA
 - Phone +1 (770) 987-7550
 - Fax +1 (770) 987-9705
 - www.videolarm.com
- B. Models
 - 1. SSDP75CN – Stainless steel dome, pendant mount, no electronics
 - 2. SSDP75C2N – Stainless steel dome, pendant mount, 24Vac input, heater & blower
 - 3. SSDP75C2NY – Stainless steel dome, pendant mount, 24Vac input, heater & blower, sunshield
- C. Substitutions
 - 1. Not permitted
- D. All units shall be supplied from a single manufacturer

2.02 DESCRIPTION

- A. The camera housing shall be an outdoor capable integrated camera housing pendant mount constructed of 316 stainless steel, IP67 rated
- B. Components – The housing shall include the following primary components
 - 1. External housing shall be made of 316 stainless steel
 - a. Unit shall have no visible seams or welds on external surfaces
 - 2. Clear camera viewing lower Dome shall be made of treated nylon to resist harsh chemicals and remain optically clear
 - 3. Heater assembly (in outdoor models)
 - a. The heater shall automatically activate at 60°F and deactivate at 80°F
 - 4. Printed circuit (PC) board
 - a. The 24Vac PC board shall provide appropriate power to the camera as well as the heater and blower
 - b. PC connection board if so equipped shall have an integrated hermetic 16 pin connection
 - 5. Unit shall pendant mount with 1.5" NTPM mounting connection for installation
- C. Cameras
 - 1. Unit shall accept one PTZ camera or fixed camera with a maximum camera length of 7.5"
- D. Accessories
 - 1. Stainless steel wall mount available
 - 2. Sunshield included (in "Y" models only)

2.03 SPECIFICATIONS

- A. Materials
 - 1. Main Body shall be constructed of 316 SS
 - 2. Trim Ring shall be constructed of 316 SS
 - 3. Lower Dome shall be constructed of anti-corrosive coated nylon
- B. Electrical
 - 1. Input Voltage
 - a. PoE or 24Vac or 12Vdc
- C. Mechanical
 - 1. Weight
 - a. With Sunshield 11.7 lbs. (kg)
 - b. Without Sunshield 8.6 lbs. (kg)
 - 2. Dimensions 14.3" x 11.3" (364mm x 288mm)
- D. Environmental
 - 1. Temperature
 - a. Operating temperature -40°F to 122°F (-40°C to 50°C)
 - b. Heater Operation
 - i. Activation 60°F, +/- 8° (15°C, +/- 8°)
 - ii. De-activation 80°F, +/- 8° (27°C, +/- 8°)
 - 2. Effective Projected Area (EPA) 110 square inches
 - 3. Wind load (designed) 150 mph (240 kph)

- E. Certifications and Ratings (IP/NEMA rating)
 - 1. IP67 / NEMA 4X
 - 2. CE (Pending)
 - 3. CUL (Pending)
 - 4. RoHS
 - 5. UL (Pending)
 - 6. WEEE
 - 7. REACH
 - 8. IK-10

2.04 SOURCE QUALITY CONTROL

- A. Tests and Inspections
 - 1. A test report shall be submitted to indicate that each model was tested successfully in a factory system test to meet manufacturer's published specifications

ARTICLE III. EXECUTION

3.01 INSTALLERS

- A. Installation should be performed by qualified service personnel only in accordance with the National Electrical Code and applicable local codes
- B. The Contractor's installers and technicians shall be factory trained and certified to install, service, and maintain the system

3.02 INSTALLATION

- A. The system shall ship from the factory fully assembled, tested, and ready for installation and use
- B. Care shall be exercised to select suitable hardware to install the unit, taking into account both the composition of the mounting surface and the weight of the unit

3.03 SUPPORT

- A. The housing shall be supported by U.S. technical assistance program from the manufacturer and local technical assistance program from a certified and trained professional services company in the country in which the system is installed

END OF SECTION