

SFD Series

Stainless Steel Air-Cooled Camera Housing



MAIN FEATURES

To enable camera to operate at higher temperature environment

304 or 316L stainless steel camera housing

In accordance with IP68 to satisfy the operating needs for extremely adverse environment

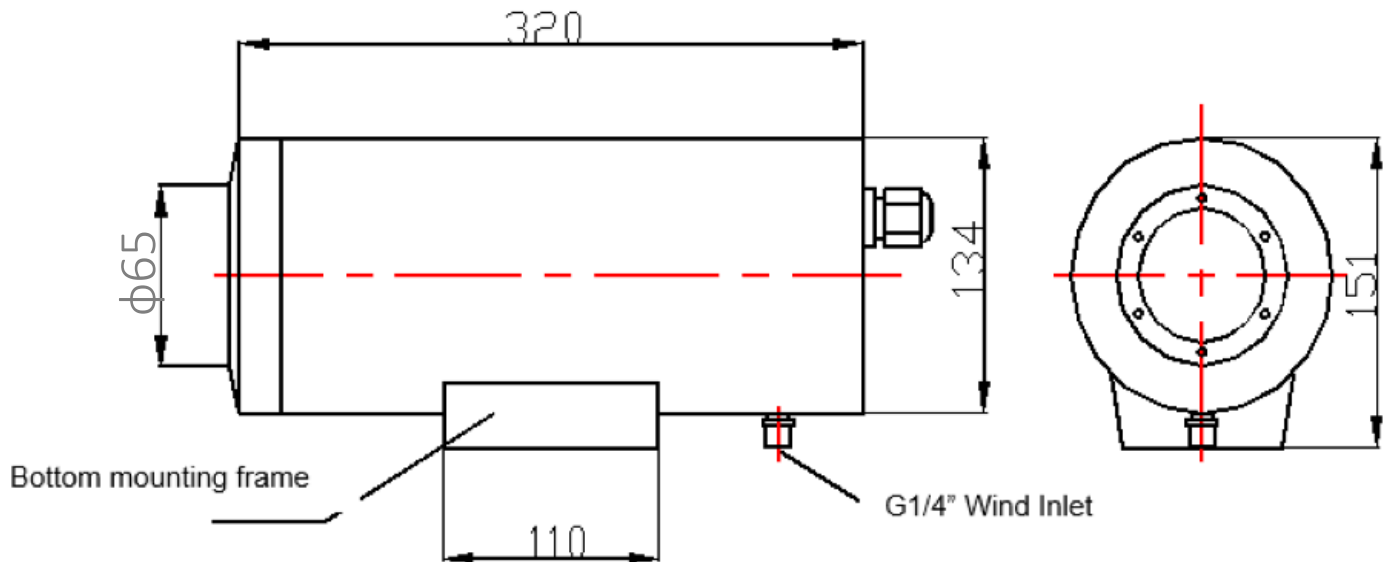
Accommodates most camera and lens combinations

To operate in coordination with air pump, air filter, oily water separator and high-temperature-proof covering



SFD Series Air-cooled Camera Housing is designed for extreme environment operation with IP68 ingress protection rating, constructed from dual layer Stainless Steel 304 or 316L materials (to be specified by client), for flowing compressed air through its interlayer for air cooling effect.

SFD Series camera housing shall be able to accommodate most type of camera and lens combinations, for easier application in different environment.



Outline Dimensions

TECHNICAL DATA

| GENERAL | |
|-----------------------------------|---|
| Ingress Protection | IP68 |
| Operating Environment | Applicable to high-temperature, dust and heated splashing material (slag, liquid iron etc.) |
| Operating Temperature | ≤80°C |
| Relative Humidity | ≤80% (40°C) |
| Atmosphere Pressure | 86 Kpa ~106 Kpa |
| Dust Concentration | ≤200 mg / m ³ (take cement dust as standard) |
| Inlet Air-compression Temperature | ≤35°C |
| Flow of Air | 0.3 L/s ~0.6 L/s |
| MECHANICAL | |
| Material | 304 / 316L stainless steel material |
| Structure | Dual layer stainless steel |
| Overall Dimension (WxHxL) | 134x151x370mm |
| Sight Glass Dimension | Φ65mm |
| Internal Housing Usable Size | φ100×280mm |
| Cable Entries | 2 water-proof cable entries , inner hole Dia.φ10 |
| Air Inlet | G1/4" |
| Weight (without camera and lens) | 3kg |
| ELECTRICAL | |
| Power Supply | 24V DC /220V AC (Current: 2A / 0.5A) |
| OTHERS | |
| Built-in Power supply module | Optional |
| Cable requirement | High-temperature-proof cable |
| OPTIONAL ACCESSORIES | |
| Air Filter Regulator | AFR (To filter residuals in the air to prevent blockage of the air ventilation holes.) |

AFR

Air Filter Regulator



| | |
|-------------------------------|---|
| Combination | Mist separator Micro mist separator Regulator |
| Max. supply pressure | 1.5MPa [15.3 kgf/cm ²] |
| Max. operating pressure | 0.97MPa [9.9 kgf/cm ²] |
| Regulating range | 50~850kPa [0.5~8.7 kgf/cm ²] |
| Ambient and media temperature | 5 ~ 60℃ |
| Filtration | AFM:0.3μm, AFD:0.01μm |
| Bowl material | Poly-carbonate / Metal |
| Construction / Regulator | Relief type |

Dimensions (mm)

