PARAGON SECURITY

Data Sheet

Rev 1.0: 09.01.2024

Products

- CCTV
- Access Control
- ANPR
- Visitor Management
- Panic Alarm Systems
- Interview Recording

Markets

- Marine
- Oil & Gas
- Law Enforcement
- Parking
- Security

Explosionproof Thermal Camera - Stainless Steel

FIXED

THERMAL

BHTS3F80I66T

The rugged camera is manufactured in 316L stainless steel and is an ATEX Class I Division 1&2 / Class II Division 1&2 certified fixed thermal camera station specifically designed for Hazardous Area applications. It is equipped with the latest generation IP thermal camera, LWIR 8-14µm Microbolometer, 400 ×300 or 640×512 resolution. The camera is ideal for potentially explosive applications such as Oil & Gas exploration/extraction/marine/transport - either onshore or offshore.

Features

- Thermal Camera certified for use in hazardous environments
- ATEX Zone 1&2 / 21&22
- Class I Division 1&2 / Class II Division 1&2 and all the rest except zone 0.
- GE glass designed for thermal cameras
- Support 3 temperature measurement rule types (Spot, Line, Area)
- 8mm,15mm, 25mm, 35mm, 50mm lens options
- Suited to strong corrosive environments. Anti-corrosion, waterproof.
- Marine 316L grade stainless steel
- Windows glass surface process by nano technology . Good light transmittance.
- Low power consumption
- AC220V/DC12V. Other power options available.
- Suited to harsh environmental conditions including petrochemicals, mining, military, medicine, oil & gas, marine, drilling platforms, food processing and storage, offshore etc.

PARAGON SECURITY

Data Sheet

Rev 1.0: 09.01.2024

Products

- CCTV
- Access Control
- ANPR
- Visitor Management
- Panic Alarm Systems
- Interview Recording

Markets

- Marine
- Oil & Gas
- Law Enforcement
- Parking
- Security

Technical Specifications

BHTS3F80I66T

Frame rate	Main Stream: D1 @ 25fps
Digital zoom	16x
On-board storage (option)	Micro SD card 128GB
Privacy masking	Off / On (4 Area, Rectangle)
Analytics	Perimeter, Single Virtual Fences, Double Virtual Fences, Object Left, Object Removed
Bitrate	100Kbps ~ 6Mbps
Alarms	2ch Alarm In,2ch Alarm Out(optional)
Thermal Imager	Uncooled IRFPA Microbolometer
Window	Germanium glass(Ge)
Pixel pitch	400(H) ×300(V), 640(H)×512(V) option
Thermal Resolution	8 ~ 14 um
Thermal Frame rate	40 mK @ F1.0, 300K
Thermal Focal length (mm) options	Fixed 8mm,15mm, 25mm, 35mm, 50mm
Thermal Field of view (degrees) options	320: H: 46°, V:35.3°;H:25.5°, V:19.2°;H:15.4°, V:11.6°;H: 11°, V:9°;H: 7.7°, V:5.8°
Theory of temperature measurement range	-40°C ~ 150°C (-40°F ~ 302°F)
Temperature Detection	Support 3 temperature measurement rule types (Spot, Line, Area)
Accuracy	±2°C / ±2%
Temperature display mode	Temperature target ＞5°C, Display absolute temperature value; Temperature target ≤5°C, Display relative temperature value (temperature difference DEV = highest value – average)
Audio connection	1ch Audio In,1ch Audio Out(optional)
Ethernet	1 Ethernet (10/100 Base-T) RJ-45 Connector
RS485	Support (optional)
BNC Output	Support (optional)
Power supply	DC12V
Ingress protection	IP66

PARAGON SECURITY

Data Sheet

Rev 1.0: 09.01.2024

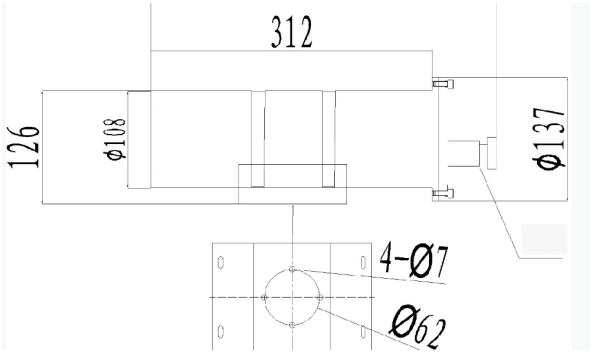
Products

- CCTV
- Access Control
- ANPR
- Visitor Management
- Panic Alarm Systems
- Interview Recording

Markets

- Marine
- Oil & Gas
- Law Enforcement
- Parking
- Security

Hazardous Area	ATEX Zone 1&2 / 21&22. Class I Division 1&2 / Class II Division 1&2 and all the rest except zone 0.
Material	316L stainless steel
Operating temp	-40°C ~ 60°C (-40°F ~ 140°F)
Dimensions - external (mm)	380mm*143mm*151mm
Dimensions - internal (mm)	Φ108×300mm (length)
Cable entry	2pcs M25*1.5 output(original G3/4)
Mounting options	Wall hanging, fixed bracket , pedestal base



For more information on any of our products or services please contact:

Paragon Security Limited
Unit 14, Bentalls Business Park, Colchester Road, Maldon, Essex CM9 4GD UK
+44 (0)1245 210914
info@paragon-security.com
paragon-security.com