

### 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

BHTS3F80I66

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.

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## Technical Specifications

### BHTS3F80I66

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%
Thermal temp. range	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)
RS485	RJ45
Alarm in/out	Support (optional)
Audio in/out connector	Support (optional)
Power supply	DC12V

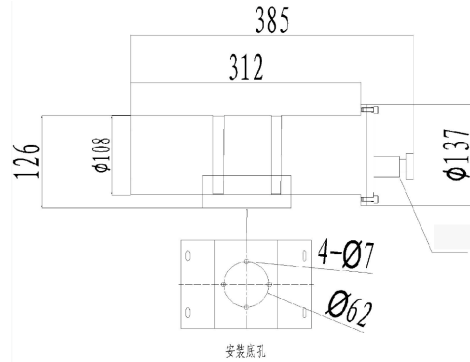
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Ingress protection	IP66
Hazardous Area	ATEX Zone 1&2 / 21&22. Class I Division 1&2 / Class II Division 1&2 and all the rest except zone 0.
Material	316L stainless steel
Operating temp	-40°C ~ 60°C (-40°F ~ 140°F)
Dimensions - external (mm)	380mm*143mm*151mm
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:

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