

Camera Protective housings

for Infrared Cameras by InfraTec



- 1) Protective housing in outdoor use
- 2) Saltwater-resistant protective housing with wiper
- 3) Protective housing in harsh industrial use

INFRA^{TEC}.

Europe's leading specialist for infrared sensors and measurement technology

All-weather, robust metal housing
for use in harsh environments

Protection against mechanical stress

Dust-proof and splash-proof housing

Flexibly adaptable to specific requirements

Various protection classes available up to IP67



www.InfraTec.eu

www.InfraTec-infrared.com

Made in Germany



Depending on the measurement and inspection task, thermal imaging cameras are exposed to a wide range of environmental conditions. Dirt, water, climatic and mechanical extremes are major challenges for the sustained precision and reliability of the systems. Based on experience from more than 25 years of thermographic practice, InfraTec has developed protective housings that can be adapted to extremely different situations on site. Users can choose between numerous options: light aluminium constructions or solid stainless steel cases, integrated scavenging air supply or active air cooling, infrared special foil or germanium window, protection for an individual thermal imaging camera or additional protection for a visual camera. In this way, a solution that perfectly suits the conditions relating to the measurement object is achieved.

Protect the housing from:

- Penetrating dust
- Splashing water and saltwater spray
- Mechanical damage
- Exposure to heat and cold
- Use in potentially explosive environments

Designs and components of the protective housing:

- Solid lightweight aluminium protective housing (less than 1 kg)
- Stainless steel protective housing with pneumatically driven protective cover
- ATEX-certified protective housing for use in potentially explosive areas
- Splash-resistant and saltwater resistant protective housing
- Robust pan-tilt heads
- Integrated scavenging air supply and monitoring for protection of the lenses without transmission loss
- Active air cooling and flushing by means of regulated Vortex cooler
- Air purge measurement nozzle
- Interchangeable infrared special foils for effective dust protection
- Coated germanium and zinc selenide window, anti-glare and scratch-resistant, various thicknesses and diameters available

With protective housings combinable thermal imaging cameras:

- High-end camera series ImagerR® with cooled detectors
- Professional and universal VarioCAM® High Definition with uncooled FPA detectors
- Wide range of interchangeable lenses suitable for integration in protective housing of both camera series



Stainless steel protective housing with control cabinet in outdoor use



Protective housing with purge collar, cooling and pneumatically driven protective cover

Universal Protective Housing



Protective housing for a thermographic camera, e.g. for outdoor use



Protective housing for one thermographic camera and visual camera each, e.g. for use in waste bunkers



Protective housing for thermographic camera and visual camera on a pan-tilt head

High-quality Special Protective Housing



Special protective housing for applications in harsh industrial environments, e.g. for monitoring casting ladles or slag detection

Available protective windows and their specified ambient temperatures:

- Interchangeable infrared special foils (-20 ... 45) °C
- Germanium window (-40 ... 80) °C
- Zinc selenide window (-40 ... 300) °C

Headquarters

InfraTec GmbH
Infrarotsensorik und Messtechnik
 Gostritzer Str. 61 – 63
 01217 Dresden / GERMANY
 Phone +49 351 871-8630
 Fax +49 351 871-8727
 E-mail thermo@InfraTec.de

USA office

InfraTec infrared LLC
 5048 Tennyson Pkwy.
 Plano TX 75024 / USA
 Phone +1 844-226-3722 (toll free)
 E-mail thermo@InfraTec-infrared.com