INFRARED CAMERAS

Intrinsic safety isn't overkill, it's the very definition of rugged. At CorDEX it is our goal to design, test and manufacture the safest, most rugged radiometric infrared cameras available. Not only are all of our cameras designed and tested to withstand multiple sub zero (-20C) 1m drops onto concrete, our infrared cameras hold as a minimum, an IP54 Ingress Protection rating.

This severe industrial certification test is performed after the drop test to ensure that the CorDEX line of infrared cameras are not only accurate with crystal clear image quality, but that they are worthy of the term, rugged.

CLICK TO HERE TO FIND OUT MORE ABOUT OUR INFRARED CAMERA RANGE

WHY CHOOSE OUR INTRINSICALLY SAFE THERMAL IMAGING CAMERA?

You may not need an Intrinsically Safe tool for your work, but the peace of mind associated with its rugged, tested and feature rich certified design means that you can be sure our **TC-Series Thermal Imaging Camera** range will last the test of time.

Infrared Cameras

Tested for toughness

Passed our ToughTEST including water, dust and repeated drops.

WATCH OUR ToughTEST VIDEO

Articulating head

See over, under and around obstacles without moving the display!

High speed, manual focus lens

Resolve minute detail with highly sensitive manual focus lens.

Built in 13.5Mhz RFID reader

Assign RFID data to images for automatic collation and reporting with CorDEX CONNECT software.

MORE ABOUT CorDEX CONNECT

Long life Lithium ion battery

Up to six hours continuous runtime with rechargeable Lithium Ion battery pack.

Large, glove friendly controls

Designed to operate in virtually any environment, with or without gloves.

TC7000/7150

Tough, safe and accurate, **TC7000** is the **thermal imaging camera** of choice for oil, gas mining, marine and dust environments.

FEATURES

Intrinsically safe certified. Safe, Reliable and above all, Rugged.

High speed, articulating lens. Shoot high quality images over, under and around obstacles.

Onboard RFID tag reader. Assign images to RFID tags and automatically create reports, manage data and create trends.

CorDEX CONNECT™ enabled.

CorDEX TC-Series Intrinsically Safe Thermal Imaging Cameras.

You need troubleshooting tools that are rugged, reliable, efficient and accurate. Tools that can help you detect problems fast and communicate them easily to your team. That's what the CorDEX TC-SERIES Intrinsically safe cameras do. They give you the ability to see heat and detect problems before they happen. All from a tool that is virtually indestructible in everyday use.

Rugged - Intrinsically Safe Rugged.

With its Intrinsically Safe certification when it comes to Rugged, TC-Series sets the bar. IP54 Ingress Protection rated, you can be sure these cameras will continue to operate in any weather, day or night. Concerned about your valuable tool being dropped and damaged? Don't be, TC-Series has been tested and certified as having passed a 3'/1m drop onto concrete at a temperature of -20C. Three times!

Optimised for your world.

- Large keys and simple interface, perfectly suited for gloved hands.
- 135° degree articulating lens, see over, under and around obstacles with ease.
- RFID, voice and text annotations stores in radiometric image.
- CorDEX CONNECT enabled, automatically organise data and create reports saving valuable and unproductive office time.
- Long life, rechargeable lithium ion battery pack - get a full shift from a single charge.

PRODUCT OVERVIEW

TC7000 Certificate Information		TC7150 Certificate Information	
ATEX / IECEx Certificate No	TRAC12ATEX0037X / IECEx TRC 12.0019X	MET Listing No	E113607
ATEX / IECEx Certificate Types	• Ex ib IIC T4 Gb Tamb -10°C to +40°C (Vapor) • Ex ib IIIC T200°C Db Tamb -10°C to +40°C (Dust) • Ex ib I Mb (Mining)	MET (North American) Certificate Type	Class I, Division 2 Class II, DIvision 2 Class III

Temperature Information	
Measurement Range	-4°F to 1112°F (-20°C to +600°C)
Accuracy	± 2°C or 2% of reading

Imaging	
Image Frequency	9Hz
Detector	320 x 240 uncooled microbolometer
Thermal Sensitivity/ NETD	50mK
Spectral Range	8µm to 14µm
Field of View (FOV)	25° x 20.5°
Spatial resolution (IFOV)	1.38 mrad
Minimum focus distance	≈ 4" (10cm)
Lens	F 1.2

Image Capture	
File Storage	8GB
File Formats	CDX (Radiometric) JPEG (Non-radiometric)
Voice Annotation	YES
RFID Tag Reader	• Operates with 13.54MHz passive tags • Detection range up to 5cm (1.9in) • SupportsISO/IEC15693-2,ISO/IEC18000-3 tag formats

General	
Operating Temperature	-4°F to 104°F (-20°C to +40°C)
Storage Temperature	-40°F to +158°F (-40°C to +70°C)
Display	3.2" Backlit LCD
Software	CorDEX CONNECT (Included)
Batteries	Rechargeable Lithium-ion

CONNECT

Swivel the lens to minimise screen reflections and comfortably access high and low areas of interest.

See hot spots easily with the clear and bright 3.2" Backlit Display.

Download images and data through the USB connection to CorDEX CONNECT™ reporting and predictive maintenance software.

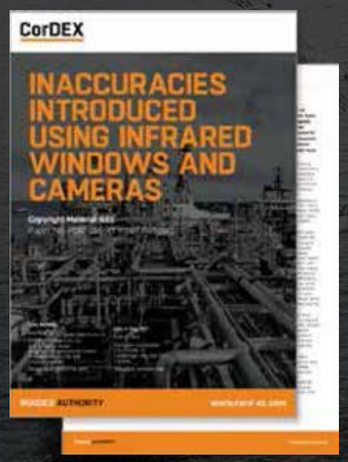
Infrared Cameras

TESTED FOR TOUGHNESS

Some thermal imagers claim to be tough, but can your thermal imager pass the CorDEX **ToughTEST**?

CLICK HERE TO WATCH THE VIDEO

INACCURACIES INTRODUCED USING INFRARED WINDOWS AND CAMERAS

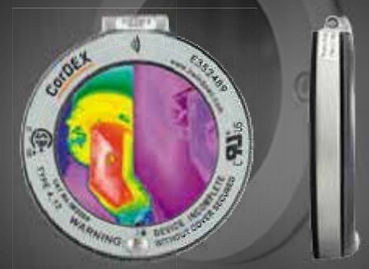


With increased focus on electrical safety and the widespread adoption by industry of NFPA-70E, infrared systems are increasingly becoming more popular. **Download our FREE white paper** now exploring inaccuracies in predicative maintenance.

CLICK HERE TO DOWNLOAD

RFID ENABLED, SMART IR WINDOWS

The latest generation of **SMART Infrared Windows** operate with any thermal imager, helping take electrical inspection and predictive maintenance to a new level of safety, efficiency and accuracy.



HYDROGARD CONNECT

Go to **page 25** for our Infrared Windows