

**ISAFE THERMAL CAMERA ADD-ON MINING IS-TC1A.M1 (FOR IS530.M1)**



**\$2,640.00 GST included**

**SKU:** 01-00100911-001-001 | **Categories:** [Digital Camera](#), [Intrinsically Safe](#) |



**GALLERY IMAGES**



## PRODUCT DESCRIPTION

The thermal camera IS-TC1A.M1, in combination with the industrial smartphone IS530.M1 detects temperatures in the Ex-hazardous area from -40 °C to 330 °C in a matter of seconds via the Seek Thermal app (free download in Google Play Store). The thermal images and videos are processed and documented directly via the ISM interface of the IS530.M1 smartphone.

NOTE: SUITABLE FOR IS530.1. NEW MODEL FOR IS540 COMING SOON.

### Advantages

- Power supply via the connected device, therefore no battery necessary
  - Capture, analyze and document thermal images
- Direct interface connection with the device, no Bluetooth® necessary
  - Direct data transfer via multifunctional (ISM) interface

### Technical Features

#### Sensor resolution

200 (h) x 150 (v)

30000 pixel

FixFocus

Digital zoom via App

#### Sensor sensitivity

65 mK (typical)

<b>Frame rate</b>	<9 Hz bis 32 Hz
<b>Scene dynamic range</b>	-40 °C bis 330 °C
<b>Temperature accuracy</b>	±7 °C and 7 % (at 5 °C to 140 °C) ±10 °C and 10 % (at 140 °C to 330 °C)
<b>Field of view</b>	35° (HFOV) 26° (VFOV)
<b>Detection range</b>	up to 300 m
<b>Recognition range</b>	up to 75 m
<b>Identification range</b>	up to 25 m
<b>Dimensions</b>	Size: 112 x 82 x 50 mm Weight: 195 g
<b>Types of protection</b>	IP67 MIL-STD 810H Usable from -20 °C to +55 °C

Expand

#### Certifications



ATEX (Europe) approved

I M1 Ex ia I Ma

II 2G Ex ib IIC T4 Gb

II 2D Ex ib IIIC T135°C Db



IECEx (International) approved

Ex ia I Ma

Ex ib IIC T4 Gb

Ex ib IIIC T135°C Db

### **What's in the box**

- Thermal camera
- Safety Instructions
- Quick Start Manual

### **Downloads**

[Datasheet IS-TC1A.M1](#)

[Operating Manual/Safety Instructions IS-TC1A.M1](#)

[IECEX IS-TC1A.M1](#)

[ANZEx IS-TC1A.M1](#)





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Smartphone**



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Intrinsically Safe  
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