

The set consisting of the thermal imaging camera IS-TC1A.1 and the industrial smartphone IS530.1 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 The thermal images and videos are processed and documented directly via the ISM interface of the IS530.1 smartphone.

⁾ All trademarks and copyrights are the properties of their respective owners.) © 2022 by i.safe MOBILE GmbH | All rights reserved. | Misprints, errors and modifications excepted. | 1048MD01REV05_EN_02.2024





(IS-TC1A.1)



ATEX approval: Ex-Zone 1/21 (a) II 2G Ex ib IIC T4 Gb



IECEx approval: Ex-Zone 1/21 Ex ib IIC T4 Gb Ex ib IIIC T135°C Db



NEC500 approval applied for: Class I, II, III Division 1 Groups ABCDEFGT4

TECH		

Sensor resolution 200 (h) x 150 (v) | 30000 Pixels | FixFocus | Digital zoom over app

Sensor sensivity 65 mK (typical) Frame rate <9 Hz to 32 Hz -40 °C to 330 °C Scene dynamic range

Temperature accuracy \pm 7 °C and 7 % (at 5 °C to 140 °C) | \pm 10 °C and 10 % (at 140 °C to 330 °C)

Detection range up to 300 m Recognition range up to 75 m **Identification range** up to 25 m

View range 35° (HFOV) | 26° (VFOV)

Dimensions size: 112 x 82 x 50 mm | weight: 190 g over the connected mobile device Power supply

Communication over the multi functional ISM interface of the IS530.1 Types of protection IP68 | MIL-STD 810H | useable from -20 °C to + 55 °C







Android[™] 13



4.5" Gorilla Glass® 3. generation, resolution 854 x 480 pixels



3600 mAh battery. replaceable. 3,8 V, 13,68 Wh



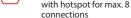
Bluetooth® 5



GSM 850/900/1800/ 1900 MHz WCDMA: UMTS B1/2/4/5/8 LTE-FDD: B1/2/3/4/5/7/8/12 with MFBI B13/14/17/20/25/ 26/28A/28B/29/30/66 LTE-TDD: B38/B39/B40/B41 TD-SCDMA: B34/B39



Qualcomm Snapdragon SDM660 Octa-Core Kryo Gold-Quad cores 2,2 GHz Kryo Silver-Quad cores 1,8 GHz 4 GB RAM 64 GB internal memory



connections

2,4 GHz + 5 GHz: IEEE

802.11 a/b/g/n/ac/e/k/r/h

The complete description you will find on our homepage: www.isafe-mobile.com

Please visit our website and you will find more detailed information, as well as an overview of compatible accessories.