



INSTRUCTIONS FOR SAFE USE

TOUGHPIX DIGITHERM

INTRINSICALLY SAFE DIGITAL IMAGING CAMERA





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READ THIS FIRST

Read and understand all Warnings and Cautions before using this product.

Safety Information

This instruction manual contains information and warnings that must be observed for safe operation under the conditions described.

Faults and Damage

If there are any grounds to believe the unit is no longer safe to use, it must be taken out of service and measures taken to prevent its further unintentional use.

Safety Regulations

When using TOUGHPIX DIGITHERM, the appropriate regulations must be observed to avoid incorrect operation of the unit.

ATTENTION! Ensure the battery door is securely fastened when using the device. The device must not be opened in the hazardous area.

Maintenance

For safety critical maintenance, please refer to EN60079-17.

Special Conditions for Safe Use

- Do not remove or replace batteries within the hazardous area.
- The battery pack can only be charged in a safe area.
- Consideration shall be given to the risk of degradation of the camera due to aggressive substances.
- Only CorDEX approved accessories (battery pack and memory card) are permitted to be used in the TOUGHPIX DIGITHERM.
- The capacitance in the non-earthed exposed metallic parts of the enclosure exceeds the values given in the Table 9 of IEC 60079-0.
- It is the responsibility of the user to determine the suitability of the maximum capacitance 82.3 pF to the intended use area.



LABELLING

CorDEX Instruments Ltd. 1 Owens Rd, TS66HE, UK

TOUGHPIX DIGITHERM Camera



Fy 11 21

ATEX - ExVeritas 17ATEX 0277X

IECEx – IECEx EXV 17.0013X

Ex ib op is IIC T4 Gb

Tamb -10C to +40C

Year of Construction – XXXX

Serial Number - XXXX-XX-XXXX

WARNING: Use only authorised Battery. (Refer to manual)

DO NOT CHANGE BATTERY IN HAZARDOUS AREA

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Annex to: IECEx EXV 17.0013X Issue 0 Description Continued: N/A Routine Tests: N/A Special Conditions for manufacture: N/A

| Manufacturer's documents: | | | | |
|--|--------------|---------|------------|--|
| Title: | Drawing No.: | Rev | Date: | |
| CorDEX IS-Camera IS/ATEX system schematic | CDX8950-200 | Rev1.1 | 15/08/2017 | |
| CorDEX IS-Camera IS/ATEX system BOM | CDX8950-201 | Rev1.1 | 28/08/2017 | |
| IS-Camera Imager PCB schematic | CDX8950-210 | Rev1.2 | 25/08/2017 | |
| IS-Camera Imager BOM | CDX8950-211 | Rev1.2b | 03/10/2017 | |
| IS-Camera Imager PCB fabrication drawing | CDX8950-213 | Rev1.2 | 01/08/2017 | |
| IS-Camera Imager PCB assembly drawing | CDX8950-214 | Rev1.2 | 01/08/2017 | |
| IS-Camera Imager RS274 (gerbers) | NA | Rev1.2 | 04/08/2017 | |
| IS-Camera BatteryPack PCB schematic | CDX8950-220 | Rev1.2 | 18/07/2017 | |
| IS-Camera BatteryPack BOM | CDX8950-221 | Rev1.2 | 17/07/2017 | |
| IS-Camera BatteryPack PCB fabrication drwg | CDX8950-223 | Rev1.2 | 18/07/2017 | |
| IS-Camera BatteryPack PCB assembly drawing | CDX8950-224 | Rev1.2 | 18/07/2017 | |
| IS-Camera BatteryPack RS274 (gerbers) | NA | Rev1.2 | 18/07/2017 | |
| IS-Camera FlashLED PCB schematic | CDX8950-230 | Rev1.3 | 15/08/2017 | |
| IS-Camera FlashLED BOM | CDX8950-231 | Rev1.3 | 15/08/2017 | |
| IS-Camera FlashLED PCB fabrication drwg | CDX8950-233 | Rev1.3 | 15/08/2017 | |
| IS-Camera FlashLED PCB assembly drawing | CDX8950-234 | Rev1.3 | 15/08/2017 | |
| IS-Camera FlashLED RS274 (gerbers) | NA | Rev1.3 | 15/08/2017 | |
| IS-Camera BattConn PCB schematic | CDX8950-240 | Rev1.1 | 07/07/2017 | |
| IS-Camera BattConn BOM | CDX8950-241 | Rev1.1 | 18/07/2017 | |
| IS-Camera BattConn PCB fabrication drwg | CDX8950-243 | Rev1.1 | 07/07/2017 | |
| IS-Camera BattConn PCB assembly drawing | CDX8950-244 | Rev1.1 | 07/07/2017 | |
| IS-Camera BattConn RS274 (gerbers) | NA | Rev1.1 | 07/07/2017 | |
| IS-Camera SDCard PCB schematic | CDX8950-250 | Rev1.0 | 14/03/2017 | |
| IS-Camera SDCard BOM | CDX8950-251 | Rev1.0 | 16/03/2017 | |
| IS-Camera SDCard PCB fabrication drwg | CDX8950-253 | Rev1.0 | 15/03/2017 | |
| IS-Camera SDCard PCB assembly drawing | CDX8950-254 | Rev1.0 | 15/03/2017 | |

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Annex to: IECEx EXV 17.0013X Issue 0



| IS-Camera SDCard RS274 (gerbers) | NA | Rev1.0 | 15/03/2017 |
|---|-------------|----------|------------|
| IS-Camera NUCFFC PCB schematic | CDX8950-260 | Rev1.1 | 01/08/2017 |
| IS-Camera NUCFFC BOM | CDX8950-261 | Rev1.1 | 02/08/2017 |
| IS-Camera NUCFFC PCB fabrication drwg | CDX8950-263 | Rev1.1 | 02/08/2017 |
| IS-Camera NUCFFC PCB assembly drawing | CDX8950-264 | Rev1.1 | 02/08/2017 |
| IS-Camera NUCFFC RS274 (gerbers) | NA | Rev1.1 | 02/08/2017 |
| IS-Camera Limiter PCB schematic | CDX8950-270 | Rev1.1 | 18/07/2017 |
| IS-Camera Limiter BOM | CDX8950-271 | Rev1.1a | 21/06/2017 |
| IS-Camera Limiter PCB fabrication drwg | CDX8950-273 | Rev1.1 | 21/06/2017 |
| IS-Camera Limiter PCB assembly drawing | CDX8950-274 | Rev1.1 | 21/06/2017 |
| IS-Camera Limiter RS274 (gerbers) | NA | Rev1.1 | 21/06/2017 |
| IS-Camera General Assembly | CDX8950-400 | Rev B | 01/08/2017 |
| IS-Camera GA Material BOM | CDX9850-401 | Rev 0.1b | 26/09/2017 |
| IS-Camera Surface areas (non-metallic) | CDX8950-405 | Rev A | 22/06/2017 |
| IS-Camera Component Insulators | CDX8950-406 | Rev B | 01/08/2017 |
| IS-Camera FlashLED potting | CDX8950-407 | Rev A | 27/06/2017 |
| IS-Camera BatteryPack X-section | CDX8950-409 | Rev A | 18/07/2017 |
| IS-Camera rating plate | CDX8950-445 | Rev A | 18/09/2017 |
| IS-Camera Infallible GND wire drwg | CDX8950-448 | Rev A | 18/07/2017 |
| IS-Camera Door Assembly GA | CDX8950-450 | Rev A | 15/03/2017 |
| IS-Camera BatteryPack GA | CDX8950-470 | Rev A | 22/06/2017 |
| IS-Camera Safe Operations Manual | CDX8950-511 | Rev A | 29/09/2017 |
| IS-Camera FFC Insulation (for FlashLED) | CDX1830-054 | Rev A | 23/06/2017 |
| EC Declaration of Conformity (DIGITHERM) | SOM15A | Rev A | 25/09/2017 |

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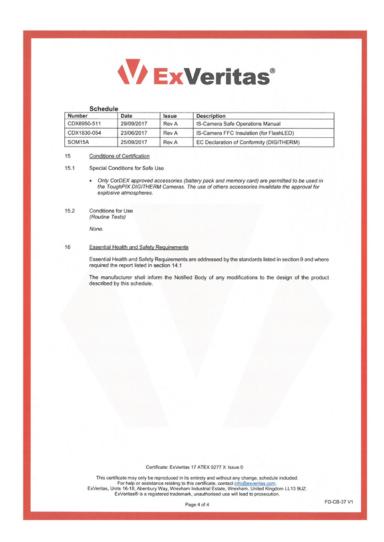




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