



# INSTRUCTIONS FOR SAFE USE

# TOUGHPIX DIGITHERM INTRINSICA

INTRINSICALLY SAFE DIGITAL IMAGING CAMERA



Europe Version



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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



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ATEX: ExVeritas 17ATEX 0277X IECEx: IECEx EXV 17.0013X

EX ib op is IIC T4 Gb

Tamb -10'C to +40'C

Year of construction : XXXX

Serial Number: XXXX-XX-XXXXXX

WARNING: Use only authorised Battery. (refer to manual)
DO NOT CHANGE THE BATTERY IN A HAZARDOUS AREA.

# **IECEX CERTIFICATE**





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# **IECEX CERTIFICATE**

Annex to: IECEx EXV 17.0013X Issue 0	<b>ExVeritas</b> ®
Description Continued:	
N/A	
Routine Tests:	
N/A	
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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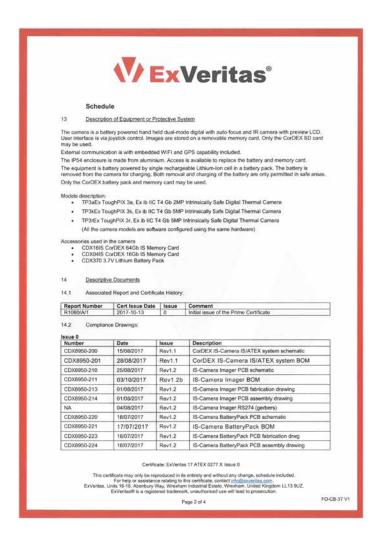
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### ATEX CERTIFICATE



### ATEX CERTIFICATE

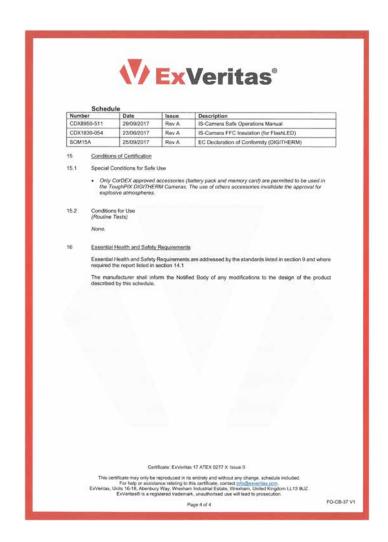




### ATEX CERTIFICATE



### **ATEX CERTIFICATE**





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