

1 EU - Type Examination Certificate

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: ExVeritas 24ATEX1761X Issue: 0

4 Equipment: TXC Fixed Camera

5 Manufacturer: Tecnovideo S.r.l.

6 Address: via A. De Gasperi, 3 Villaverla (VI) 36030, Italy

7 This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

8 ExVeritas, Notified Body number 2804 in accordance with Article 17 of the Council Directive 2014/34/EU of 26 February 2014, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to design and construction of equipment and protective systems for use in potentially explosive atmospheres given in Annex II to the Directive

9 Compliance with the applicable Essential Health and Safety Requirements has been assured by compliance with the following Standards and section 16 of this certificate:

EN IEC 60079-0: 2018

EN 60079-1: 2014

EN 60079-31: 2014

10 If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EU-Type Examination Certificate relates only to the design, construction, examination and tests of the specified equipment or protective system in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment shall include the following:



II 2 G Ex db IIC T6/5 Gb
II 2 D Ex tb IIIC T85/100°C Db

$-60^{\circ}\text{C} \leq T_{amb} \leq +65/75^{\circ}\text{C}$

Schedule

13 Description of Equipment or Protective System

TXC series is a range of fixed camera enclosures that are tubular in shape and constructed from stainless steel with two threaded end caps, one with the cable entries and a cemented window for the camera to the other. There are three optional window material versions, depending on camera type: toughened glass, sapphire or germanium. Cable entry options may be metric and NPT.

Rating: Up to 230V
Ingress Protection: IP6X

14 Descriptive Documents

14.1 Associated Report and Certificate History:

Report Number	Cert Issue Date	Issue	Comment
R4704/A/1	11 th Mar 2024	0	Initial issue of the Prime Certificate

14.2 Compliance Drawings:

Title:	Drawing No:	Rev:	Date:
Scheduled Drawing TXC	SD00100	00	01/02/2024
Scheduled Drawing Toughened Glass window	SD00101	00	19/01/2024
Scheduled Drawing TXC Marking Plate (ATEX/IECEX)	SD00117	00	01/02/2024
Min requirements for instruction manual of TXC series	SD00121	00	01/02/2024

15 Conditions of Certification

15.1 Special Conditions for Safe Use

- For Tamb >60°C - Cable entry temperature can exceed 70°C, select suitable cable and glands for the end application.
- For fixed installation - part of the enclosure may be capable of generating electrostatic charges under certain extreme conditions. The user should ensure that the equipment is not installed in a location where it may be subjected to external conditions (such as high-pressure steam) which might cause a build-up of electrostatic charges on non-conducting surfaces. Additionally, cleaning of the equipment should be done only with a damp cloth.
- The camera must be installed in an area of low risk of impact.

15.2 Manufactures' Responsibility

- When a fibre optical cable is used on the equipment it shall be suitably protected against mechanical damage external to the equipment (wire armoured cable, fitted in conduit, within a cable tray etc) in accordance with IEC/EN 60079-14
- The cross-sectional area occupied by the internal equipment within the camera housing shall not exceed 60%.
- The power dissipated within the camera housing shall not exceed 15W (unless fitted with a low ambient protection system which must be fitted with a redundant thermal trip set to open no higher than 30°C).

Routine Tests

- The manufacturer must carry out routine pressure tests to a value no less than 23 Bar on each camera housing to ensure the equipment's capability to withstand overpressure.

16 Essential Health and Safety Requirements

Essential Health and Safety Requirements are addressed by the standards listed in section 9 and where required the report listed in section 14.1

The manufacturer shall inform the Notified Body of any modifications to the design of the product described by this schedule.

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Issue 0

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For help or assistance relating to this certificate, contact info@exveritas.com.

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