

EU-TYPE EXAMINATION CERTIFICATE



[1]

[2]

**Equipment or Protective System intended for use
in Potentially Explosive Atmospheres
Directive 2014/34/EU**

[3]

EU-Type Examination Certificate Number: **DEMKO 15 ATEX 1444X Rev. 3**

[4]

Product: **EXTEGRA IP 9000 FX Camera, NXF-9**

[5]

Manufacturer: **Bosch Security Systems Inc.**

[6]

Address: **1706 Hempstead Road, Lancaster, PA 17601 USA**

[7]

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

[8]

UL International Demko A/S, notified body number 0539 in accordance with Article 17 of the Council Directive 2014/34/EU of 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.
The examination and test results are recorded in confidential report no. **4787551721**

[9]

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012+A11:2013

EN 60079-1:2014

EN 60079-31:2014

[10]



If the sign "X" is placed after the certificate number, it indicates that the product 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 and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by the certificate.

[12]

The marking of the product shall include the following:

 **II 2 G Ex db IIB T6 Gb**
 **II 2 D Ex tb IIIC T85°C Db**

Certification Manager
Jan-Erik Storgaard

This is to certify that the sample(s) of the Equipment described herein ("Certified Equipment") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Equipment Certification Program Requirements. This certificate and test results obtained apply only to the equipment sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured equipment. UL has not established Follow-Up Service or other surveillance of the equipment. The Manufacturer is solely and fully responsible for conformity of all equipment to all applicable Standards, specifications, requirements or Directives. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

Date of issue: 2015-03-23

Re-issued: 2016-08-31



Notified Body

UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark
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[13]

Schedule

[14]

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- [15] Description of Product
This device is flameproof and protected by enclosure camera assemblies. The camera consists of a cylindrical stainless steel or aluminum housing with a front window cover and back plate assembly threaded into either end of the housing. The back plate assembly has four threaded ¼ NPT entries for the supply connection. All unused entries contain a conduit plug. This model contains a mounting bracket assembly and sunshield (not used for mechanical protection).

Nomenclature for EXTEGRA IP 9000 FX Camera:

I	II	III	IV	V
NXF-9	1	30	A	4

I
NXF-9 – Network

II
1 – 720P Camera Block
2 – 1080P Camera Block

III
30 – 30X Zoom

IV
A – Aluminum
S – Stainless Steel

V
4 – IP Back End Version 4

Temperature range

Product models with Aluminum Housing: $-50^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$ (24 VAC) / $-40^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$ (PoE)

Product models with Stainless Steel Housing: $-50^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$ (24 VAC) / $-40^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$ (PoE)

Electrical data

Rated Input: 24 VAC, 50/60 Hz, 4 A, 68 W
PoE: 55 VDC, 1.75 A, 48 W

Installation instructions

See Specific condition of use.

Routine tests

A routine overpressure test according to EN 60079-1 Edition 7, Clause 16.1, shall be conducted at a minimum of 391.5 PSI in a normal room ambient on each front cover/fascia. There shall be no permanent deformation of the joints or damage to the enclosure, including the window.

[16]

Descriptive Documents

The scheduled drawings are listed in the report no. provided under item no. [8] on page 1 of this EU-Type Examination Certificate.

[17]

Specific conditions of use:

- Proper operation and instruction for putting the device into safe use, including allowable ambient temperature ranges of $-50^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$ (24 VAC) / $-40^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$ (PoE) for aluminum models and $-50^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$ (24 VAC) / $-40^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$ (PoE) for stainless steel models, is described in the manufacturer's installation instructions, Drawing Number F.01U. 319.357.
- Unused conduit openings shall be closed with the provided conduit plug.
- For ambient temperatures below -10°C , use field wiring suitable for the minimum ambient temperature.
- The joint between the junction box and housing is secured by a thread locker for permanent securement. This joint shall not be removed because there may be damage to the flamepath.
- The device was subjected to the resistance to impact test at 2 J. It shall be installed where it will not be subjected to impact.
- Information about contacting the manufacturer for information about the flameproof joints.
- Information regarding the application of thread sealant Slic Tite Paste with PTFE, manufactured by Laco Markal, to the conduit plug/back plate assembly threaded joint.
- When adaptors or reducers are used, adaptors and reducers shall not be used for the direct inter-connection of enclosures.
- Only one adaptor or reducer shall be used with any single cable entry on the associated equipment.
- When adaptors or reducers are used, the ranges of stopping plugs shall not be used in conjunction with any other cable entry device.

[13]

Schedule

[14]

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[18]

Essential Health and Safety Requirements

The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.

Additional information

The EXTEGRA IP 9000 Camera has in addition passed the tests for Ingress Protection to IP67 (dust only)/IP 68 (stand-alone) in accordance with EN60529:1991+A1:2000+A2:2013.

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in Annex III to Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014.