



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: IECEx UL 15.0001X Issue No: 3 Certificate history:  
Status: **Current** Page 1 of 5 Issue No. 3 (2016-08-31)  
Date of Issue: **2016-08-31** Issue No. 2 (2016-04-12)  
Applicant: **Bosch Security Systems Inc.** Issue No. 1 (2015-10-02)  
1706 Hempstead Road Issue No. 0 (2015-03-23)  
Lancaster, PA 17601  
**United States of America**

Equipment: **EXTEGRA IP 9000 FX Camera, NXF-9**  
*Optional accessory:*

Type of Protection: **Flameproof "db", Dust Ignition Protection by Enclosure "tb"**

Marking:  
Ex db IIB T6 Gb  
Ex tb IIIC T85°C Db

24 VAC Option:  
Product Models with Aluminum Housing:  $-50^{\circ}\text{C} \leq \text{Ta} \leq +60^{\circ}\text{C}$   
Product Models with Stainless Steel Housing:  $-50^{\circ}\text{C} \leq \text{Ta} \leq +55^{\circ}\text{C}$

Power over Ethernet Option:  
Product models with Aluminium Housing:  $-40^{\circ}\text{C} \leq \text{Ta} \leq +60^{\circ}\text{C}$   
Product models with Stainless Steel Housing:  $-40^{\circ}\text{C} \leq \text{Ta} \leq +55^{\circ}\text{C}$

*Approved for issue on behalf of the IECEx  
Certification Body:*

Paul T. Kelly

*Position:*

Principal Engineer - Global Hazardous Locations

*Signature:  
(for printed version)*

*Date:*

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:



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UL LLC  
333 Pfingsten Road  
Northbrook IL 60062-2096  
United States of America





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Manufacturer: **Bosch Security Systems S.A.**  
E.N. 109 Zona Industrial de Ovar  
Lugar da Pardala  
3880-728 Ovar  
**Portugal**

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

## STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

<b>IEC 60079-0 : 2011</b> Edition:6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2014-06</b> Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-31 : 2013</b> Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

## TEST & ASSESSMENT REPORTS:

*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

### Test Report:

[US/UL/ExTR15.0001/03](#)

### Quality Assessment Report:

[DK/ULD/QAR13.0001/02](#)      [US/UL/QAR12.0010/03](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

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  $\frac{3}{4}$  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).

See Annex for additional information.

### CONDITIONS OF CERTIFICATION: YES as shown below:

See Annex for Conditions of Certification.



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## DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1: Drawing added as well as updates to the IEC 60079-0 and IEC 60079-1 ExTRs to reflect client changes to the product. Appendix A was also added. Reducers were added for use on the enclosure. Reducers are detailed in item 11 of schedule drawing F.01U.313.451, revision date 2015-04-27.

Issue 2: The certificate was updated to the most recent standards, IEC 60079-1, 7<sup>th</sup> edition and IEC 60079-31, 2<sup>nd</sup> edition. The Instruction Booklet was updated to include the newest standard and marking. The marking plate was updated to include the newest markings. The address was updated to reflect Bosch's current address.

Issue 3: The maximum thickness of anodisation on housing was changed and PoE option was added to certificate.

## Annex:

[Annex to IECEx UL 15.0001X Issue 3.pdf](#)

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

### **Conditions of Certification**

- 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) /  $-40^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$  (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  $-10^{\circ}\text{C}$ , 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.