

[1] **EC-TYPE EXAMINATION CERTIFICATE**



[2] **Equipment or Protective System intended for use  
in Potentially Explosive Atmospheres  
Directive 94/9/EC**

[3] EC-Type Examination Certificate Number: DEMKO 07 ATEX 142765X

[4] Equipment or Protective System: Surveillance Cameras

[5] Manufacturer: Derwent Systems Ltd

[6] Address: Colbourne Crescent, Derwent House, Cramlington, Nelson Park, Northumberland,  
England NE23 1WB, United Kingdom

[7] This equipment or protective system and any acceptable variation there to is 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 9 of the Council Directive 94/9/EC of 23 March 1994, 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 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. 142765

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
**EN 60079-0: 2006** **EN 60079-1: 2004**

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

[11] This EC-Type examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by the certificate.

[12] The marking of the equipment or protective system shall include the following:

II 2G Ex d IIC T6

On behalf of UL International Demko A/S

Herlev, 2007-09-10

Jan-Erik Storgaard  
Certification Manager

**UL International Demko A/S**

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Certificate: 07 ATEX 142765X

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## Schedule

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### EC-TYPE EXAMINATION CERTIFICATE No. DEMKO 07 ATEX 142765X

[15] Description of Equipment or protective system

Surveillance cameras, EX70 and EX72 series, are compact cameras and infrared LED illuminators, build into compact standard housings.

Nomenclature:

EX70: Surveillance Camera  
EX70N / EX70NX: Surveillance Camera with built in LED Illuminator  
EX72: Surveillance Camera  
EX72N / EX72NX: Surveillance Camera with built in LED Illuminator  
EX72FM: Zoom Camera  
EX72LED: Infrared LED Illuminator

The ambient temperature range is  $-50^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$ .

Electrical data

12 to 24 V ac/dc, 15 W max

Installation instructions

All cable entry devices and blanking elements shall be certified in type of explosion protection flameproof enclosure "d", suitable for the conditions of use and correctly installed.

Unused apertures shall be closed with suitable blanking elements.

For ambient temperatures below  $-10^{\circ}\text{C}$  and above  $+60^{\circ}\text{C}$  use field wiring suitable for both minimum and maximum ambient temperature.

Routine tests

Routine tests according to EN 60079-1 cl. 16 are not required, as the enclosures have been successfully tested at four times the reference pressure.

[16] Report No.

Project Report No.: 142765-01 (Hazardous Location Testing)

Drawings:

Number	Date	Description
LBL-D062	15/6/07	LABEL EX70, SERIAL No.
LBL-D063	8/6/07	LABEL EX72 SERIAL No.
LBL-D064	8/6/07	LABEL EX72 LED SERIAL No.
ASSY-059 ATEX	19/06/07	EX70 ATEX ASSY DRG
ASSY-060 ATEX	20/06/07	EX72 ATEX ASSY DRG
ASSY-073 ATEX	18/06/07	EX72LED ATEX ASSY DRG

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Certificate: 07 ATEX 142765X

Report: 142765-01

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## Schedule

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### EC-TYPE EXAMINATION CERTIFICATE No. DEMKO 07 ATEX 142765X

[17]

Special conditions for safe use:

All wiring connections must be in suitable protected enclosures.

[18]


Essential Health and Safety Requirements

Concerning ESR this Schedule verifies compliance with the Ex standards only. The manufacturer's Declaration of Conformity declares compliance with other relevant Directives.

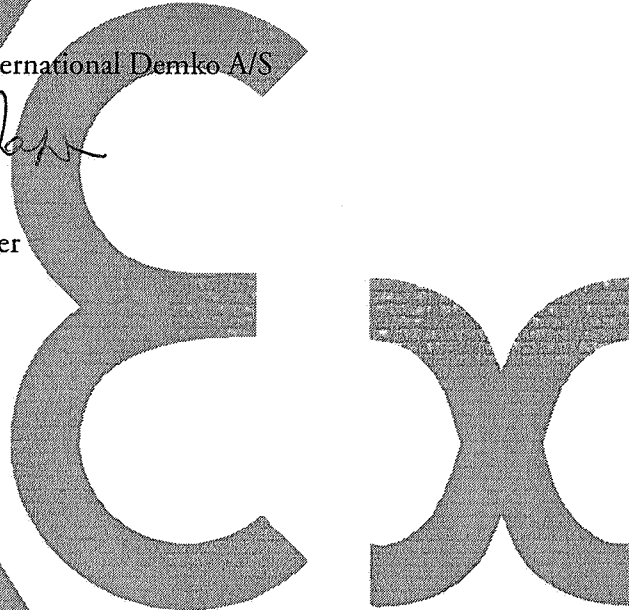
The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in ANNEX III to Directive 94/9/EC of the European Parliament and the Council of 23 March 1994.

On behalf of UL International Demko A/S

Herlev, 2007-09-10



Jan-Erik Storgaard  
Certification Manager



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