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Standards

Irish Standard  
I.S. EN 50132-1:2010

# Alarm systems - CCTV surveillance systems for use in security applications -- Part 1: System requirements

## I.S. EN 50132-1:2010

*Incorporating amendments/corrigenda issued since publication:*  
 EN 50132-1:2010/AC:June 2010

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<i>This document replaces:</i>	<i>This document is based on:</i> EN 50132-1:2010	<i>Published:</i> 26 March, 2010
This document was published under the authority of the NSAI and comes into effect on:  26 April, 2010		ICS number: 13.310 33.160.40
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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 50132-1**

March 2010

ICS 13.310;33.160.40

Incorporates corrigendum June 2010

English version

**Alarm systems -  
CCTV surveillance systems for use in security applications -  
Part 1: System requirements**

Systemes d'alarme -  
Systemes de surveillance CCTV à usage  
dans les applications de sécurité -  
Partie 1: Exigences système

Alarmanlagen -  
CCTV-Überwachungsanlagen  
für Sicherungsanwendungen -  
Teil 1: Systemanforderungen

This European Standard was approved by CENELEC on 2010-03-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

**CENELEC**

European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

**Central Secretariat: Avenue Marnix 17, B - 1000 Brussels**

## Foreword

This European Standard was prepared by the Technical Committee CENELEC TC 79, Alarm systems. It was submitted to the formal vote and approved by CENELEC on 2010-03-01.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN and CENELEC shall not be held responsible for identifying any or all such patent rights.

The following dates were fixed:

- latest date by which the EN has to be implemented  
at national level by publication of an identical  
national standard or by endorsement (dop) 2011-03-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2013-03-01

EN 50132 will consist of the following parts, under the general title *Alarm systems – CCTV surveillance systems for use in security applications*:

Part 1: System requirements;

Part 5: Video transmission;

Part 7: Application guidelines.

The content of the corrigendum of June 2010 has been included in this copy.

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## **Introduction**

This European Standard applies to CCTV Systems for surveillance of private and public areas. It includes four security grades and four environmental classes.

This European Standard is intended to assist CCTV System companies, manufacturers, system integrators, installer, consultants, owner, users, insurers and law enforcement in achieving a complete and accurate specification of the surveillance system. This European Standard does not specify the type of technology or the required image quality needed for a certain observation task.

Due to the wide range of CCTV system applications like security, safety, public safety etc. only the minimum requirements are covered in this European Standard.

For achieving an optimal surveillance system in terms of design, planning, operation, installation and maintenance, follow the Application Guidelines of EN 50132-7:1996. The specified operational requirements (Clause 5) should enable the above mentioned stakeholders to choose the functions that are important for their application with due consideration to the risk.

Special National standards apply as well.

This European Standard is not intended to be used for testing individual CCTV components.

## 1 Scope

This European Standard specifies the minimum requirements for CCTV Surveillance Systems installed for security applications. This European Standard specifies the minimum performance requirements and functional requirements to be agreed on between customer and supplier in the operational requirement, but does not include requirements for design, planning, installation, testing, operation or maintenance (see Application Guidelines in EN 50132-7:1996). This European Standard excludes installation of remotely monitored detector activated CCTV systems.

This European Standard also applies to CCTV Systems sharing means of detection, triggering, interconnection, control, communication and power supplies with other applications. The operation of a CCTV System shall not be adversely influenced by other applications.

Requirements are specified for CCTV components where the relevant environment is classified. This classification describes the environment in which the CCTV component may be expected to operate as designed. When the requirements of the four environmental classes are inadequate, due to the extreme conditions experienced in certain geographic locations, special national conditions may be applied.

## 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

CLC/TS 50398	Alarm systems – Combined and integrated alarm systems – General requirements
EN 50130-4	Alarm systems – Part 4: Electromagnetic compatibility – Product family standard: Immunity requirements for components of fire, intruder and social alarm systems
EN 50130-5	Alarm systems – Part 5: Environmental test methods
EN 50132-7:1996	Alarm systems – CCTV surveillance systems for use in security applications - Part 7: Application guidelines
EN 60065	Audio, video and similar electronic apparatus – Safety requirements (IEC 60065)
EN 60950-1	Information technology equipment – Safety – Part 1: General requirements (IEC 60950-1)
EN 61000-6-3	Electromagnetic compatibility (EMC) – Part 6-3: Generic standards – Emission standard for residential, commercial and light-industrial environments (IEC 61000-6-3)



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