

**Alarm systems - CCTV surveillance systems for use in security applications - Part 7: Application guidelines**

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## EESTI STANDARDI EESSÕNA

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English version

**Alarm systems -  
CCTV surveillance systems for use in security applications -  
Part 7: Application guidelines**

Systemes d'alarme -  
Systemes de surveillance CCTV à usage  
dans les applications de sécurité -  
Partie 7: Lignes directrices

Alarmanlagen -  
CCTV-Überwachungsanlagen für  
Sicherungsanwendungen -  
Teil 7: Anwendungsregeln

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

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## Foreword

This document (EN 50132-7:2012) has been prepared by CLC/TC 79 "Alarm systems".

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2013-06-18
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2015-06-18

This document supersedes EN 50132-7:1996.

EN 50132-7:2012 includes the following significant technical changes with respect to EN 50132-7:1996:

In comparison to EN 50132-7:1996 major changes have been made to the document due to technical innovation in the field of video surveillance: the shift from analogue to digital, the general improvement of image quality, new CCTV standards and a new test target methodology. EN 50132-7:1996 needed a major review and additions.

Following subclauses of the old standard have been revised:

EN 50132-7:1996 Subclause & Title	EN 50132-7:2012 Subclauses
5.1 Purpose of the operational requirement	5.2
6.1.1 Automation of the following functions should be considered:	5.4.2
6.2 Alarm response	5.4.3
6.3 System response times	5.4.4
7.2 Criteria for determining the number of cameras and their location	12
7.3 Camera and lens selection criteria	6.3
7.4 Camera selection	6.4
7.5 Lens selection	6.5
7.6 Recommended object sizes	6.7
7.8 Evaluation of scene and illumination	6.9
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The other chapters of EN 50132-7:1996 were completely rewritten.

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## 1 Scope

This European Standard gives recommendations and requirements for the selection, planning, installation, commissioning, maintaining and testing of CCTV systems comprising of image capture device(s), interconnection(s) and image handling device(s), for use in security applications.

The objectives of this standard are to:

- a) provide a framework to assist customers, installers and users in establishing their requirements,
- b) assist specifiers and users in determining the appropriate equipment required for a given application,
- c) provide means of evaluating objectively the performance of the CCTV system.

## 2 Normative references

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

EN 50132-1:2010	<i>Alarm systems — CCTV surveillance systems for use in security applications — Part 1: System requirements</i>
EN 50132-5-1:2011	<i>Alarm systems — CCTV surveillance systems for use in security applications — Part 5-1: Video transmission — General video transmission performance requirements</i>
EN 50132-5-2:2011	<i>Alarm systems — CCTV surveillance systems for use in security applications — Part 5-2: IP Video Transmission Protocols</i>
EN 50132-5-3	<i>Alarm systems — CCTV surveillance systems for use in security applications — Part 5-3: Video transmission — Analogue and digital video transmission</i>

## 3 Terms, definitions and abbreviations

### 3.1 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

#### 3.1.1

##### **camera housing**

enclosure to provide physical and/or environmental protection of the camera, lens and ancillary equipment

#### 3.1.2

##### **camera sensitivity**

imaging device illumination necessary to produce a defined composite (colour) video signal amplitude with a CCTV system

#### 3.1.3

##### **CCTV surveillance installation**

installation consisting of the hardware and software components of a CCTV system, fully installed and operational for monitoring a defined security zone

#### 3.1.4

##### **CCTV camera**

unit containing an imaging device producing a video signal from an optical image

#### 3.1.5

##### **CCTV camera equipment**

unit containing a CCTV camera plus appropriate lens and necessary ancillary equipment