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Video surveillance systems for use in security applications - Part 4: Application guidelines

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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English Version

## Video surveillance systems for use in security applications - Part 4: Application guidelines (IEC 62676-4:2014)

Systèmes de vidéosurveillance destinés à être utilisés dans les applications de sécurité - Partie 4: Directives d'application (IEC 62676-4:2014)

Videoüberwachungsanlagen für Sicherungsanwendungen - Teil 4: Anwendungsregeln (IEC 62676-4:2014)

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## Foreword

This document (EN 62676-4:2015) consists of the text of IEC 62676-4:2014 prepared by IEC/TC 79 "Alarm and electronic security systems".

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2016-04-13
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-04-13

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| | | |
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| IEC 62305 (series) | NOTE | Harmonized as EN 62305 (series). |
| IEC 62305-3 | NOTE | Harmonized as EN 62305-3. |
| IEC 62305-4 | NOTE | Harmonized as EN 62305-4. |
| ISO 22311:2012 | NOTE | Harmonized as EN ISO 22311:2014. |

# Annex ZA
(normative)

## Normative references to international publications with their corresponding European publications

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.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

| Publication | Year | Title | EN/HD | Year |
|---|---|---|---|---|
| IEC 62676-1-1 | - | Video surveillance systems for use in security applications - Part 1-1: System requirements - General | EN 62676-1-1 | - |
| IEC 62676-1-2 | - | Video surveillance systems for use in security applications -- Part 1-2: Video transmission - General video transmission - requirements | EN 62676-1-2 | - |
| IEC 62676-2-1 | - | Video surveillance systems for use in security applications -- Part 2-1: Video transmission protocols - General requirements | EN 62676-2-1 | - |
| IEC 62676-2-2 | - | Video surveillance systems for use in security applications - Part 2-2: Video transmission protocols - IP interoperability implementation based on HTTP and REST services | EN 62676-2-2 | - |
| IEC 62676-2-3 | - | Video surveillance systems for use in security applications - Part 2-3: Video transmission protocols - IP interoperability implementation based on WEB services | EN 62676-2-3 | - |
| IEC 62676-3 | - | Video surveillance systems for use in security applications -- Part 3: Analog and digital video interfaces | EN 62676-3 | - |

IEC 62676-4

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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

colour inside

## Video surveillance systems for use in security applications – Part 4: Application guidelines

## Systèmes de vidéosurveillance destinés à être utilisés dans les applications de sécurité – Partie 4: Directives d'application

IEC 62676-4:2014-04(en-fr)

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IEC Central Office
3, rue de Varembé
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
Fax: +41 22 919 03 00
info@iec.ch
www.iec.ch

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IEC 62676-4

Edition 1.0 2014-04

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

colour inside

## Video surveillance systems for use in security applications – Part 4: Application guidelines

## Systèmes de vidéosurveillance destinés à être utilisés dans les applications de sécurité – Partie 4: Directives d'application

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

# VIDEO SURVEILLANCE SYSTEMS FOR USE IN SECURITY APPLICATIONS –

## Part 4: Application guidelines

## FOREWORD

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This standard is based on EN 50132-7 (2012).

The text of this standard is based on the following documents:

| FDIS | Report on voting |
|---|---|
| 79/455/FDIS | 79/466/RVD |

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all the parts in the IEC 62676 series, under the general title *Video surveillance systems for use in security applications*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

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# INTRODUCTION

The IEC Technical Committee 79 in charge of alarm and electronic security systems together with many governmental organisations, test houses and equipment manufacturers has defined a common framework for video surveillance transmission in order to achieve interoperability between products.

The IEC 62676 series of standards on video surveillance system is divided into 4 independent parts:

Part 1: System requirements

Part 2: Video transmission protocols

Part 3: Analog and digital video interfaces

Part 4: Application guidelines

Each part offers its own clauses for the scope, normative references, definitions and requirements.

The purpose of this part of IEC 62676 is to provide guidance on how to ensure that video surveillance systems (VSS), thus far referred to as closed circuit television (CCTV), meet their functional and performance requirements.

This part of IEC 62676 will prove useful to those responsible for establishing operational requirements, writing specifications, selecting, installing, commissioning, using and maintaining a VSS.

VSS, in its simplest form, is a means of providing images from security cameras and recorders for viewing on a display via a transmission system. There is no theoretical limit to the number of cameras and displays which may be used in a VSS installation but in practice will be limited by the efficient combination of control and display equipment and the operator's ability to manage the system.

The successful operation of a VSS requires the active co-operation of the user in carrying out the recommended procedures.

Due to the wide range of VSS applications, for example security, safety, public safety, transportation, etc. only the minimum requirements are covered in this part of IEC 62676.

# VIDEO SURVEILLANCE SYSTEMS FOR USE IN SECURITY APPLICATIONS –

# Part 4: Application guidelines

## 1 Scope

This part of IEC 62676 gives recommendations and requirements for the selection, planning, installation, commissioning, maintaining and testing video surveillance systems (VSS) comprising of image capture device(s), interconnection(s) and image handling device(s), for use in security applications.

The objectives of this part of IEC 62676 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 VSS.

## 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.

IEC 62676-1-1, *Video surveillance systems for use in security applications – Part 1-1: System requirements – General*

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