

Irish Standard I.S. EN 62676-1-1:2014&AC:2014

Video surveillance systems for use in security applications - Part 1-1: System requirements - General

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I.S. EN 62676-1-1:2014&AC:2014

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Corrigendum to EN 62676-1-1:2014

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On the title page, add the following indication:				
'Supersedes EN 50132-1:2010."				
In the Foreword, between the 2 nd and the 3 rd paragraphs, add the following paragraph:				
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EUROPEAN STANDARD

EN 62676-1-1

NORME EUROPÉENNE EUROPÄISCHE NORM

March 2014

ICS 13.320

English version

Video surveillance systems for use in security applications -Part 1-1: System requirements -General

(IEC 62676-1-1:2013)

Systèmes de vidéosurveillance destinés à être utilisés dans les applications de sécurité -

Part 1-1: Exigences systèmes -Généralités (CEI 62676-1-1:2013) Videoüberwachungsanlagen für Sicherheitsanwendungen -Teil 1-1: Systemanforderungen (IEC 62676-1-1:2013)

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Foreword

The text of document 79/432/FDIS, future edition 1 of IEC 62676-1-1, prepared by IEC TC 79 "Alarm and electronic security systems" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62676-1-1:2014.

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)	2014-09-02
•	latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2016-12-02

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IEC 62676-2 Series NOTE Harmonised as EN 62676-2 Series.

ISO/IEC 13818-1 NOTE Harmonised as EN ISO/IEC 13818-1.

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 When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Publication	<u>Year</u>	<u>Title</u>	EN/HD	<u>Year</u>
IEC 60065	-	Audio, video and similar electronic apparatus Safety requirements	s -EN 60065	-
IEC 60068-2-75	-	Environmental testing - Part 2-75: Tests - Te Eh: Hammer tests	st EN 60068-2-75	-
IEC 60529	-	Degrees of protection provided by enclosure (IP Code)	s EN 60529	-
IEC 60950-1	-	Information technology equipment - Safety - Part 1: General requirements	EN 60950-1	-
IEC 61000-6-1	2005	Electromagnetic compatibility (EMC) - Part 6 1: Generic standards - Immunity for residential, commercial and light-industrial environments	- EN 61000-6-1	2007
IEC 61000-6-2	2005	Electromagnetic compatibility (EMC) - Part 6 2: Generic standards - Immunity for industria environments		2005 2005
IEC 61000-6-3	-	Electromagnetic compatibility (EMC) - Part 6 3: Generic standards - Emission standard for residential, commercial and light-industrial environments		-
IEC 61000-6-4	-	Electromagnetic compatibility (EMC) - Part 6 4: Generic standards - Emission standard for industrial environments		-
IEC 62262	-	Degrees of protection provided by enclosure for electrical equipment against external mechanical impacts (IK code)	s EN 62262	-
IEC 62599-1	2010	Alarm systems - Part 1: Environmental test methods	-	-
IEC 62599-2	2010	Alarm systems - Part 2: Electromagnetic compatibility - Immunity requirements for components of fire and security alarm systems	-	-
IEC 62676-4		Video surveillance systems for use in securit applications - Part 4: Application guidelines	y -	-
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IEC 62676-1-1

Edition 1.0 2013-10

INTERNATIONAL STANDARD

NORME INTERNATIONALE



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

Systèmes de vidéosurveillance destinés à être utilisés dans les applications de sécurité –

Partie 1-1: Exigences systèmes - Généralités





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CH-1211 Geneva 20 info@iec.ch Switzerland www.iec.ch

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IEC 62676-1-1

Edition 1.0 2013-10

INTERNATIONAL STANDARD

NORME INTERNATIONALE



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

Systèmes de vidéosurveillance destinés à être utilisés dans les applications de sécurité –

Partie 1-1: Exigences systèmes - Généralités

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VIDEO SURVEILLANCE SYSTEMS FOR USE IN SECURITY APPLICATIONS –

Part 1-1: System requirements – General

FOREWORD

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International Standard IEC 62676-1-1 has been prepared by IEC technical committee 79: Alarm and electronic security systems.

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

FDIS	Report on voting
79/432/FDIS	79/445/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.

The reader's attention is drawn to the fact that Annex A lists all of the "in-some-country" clauses on differing practices of a less permanent nature relating to the subject of this standard.

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A list of all parts in the IEC 62676, published 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 (to be published)

Each part has its own clauses on scope, references, definitions and requirements.

This IEC 62676-1 series consists of 2 subparts, numbered parts 1-1 and 1-2 respectively:

IEC 62676-1-1, System requirements - General

IEC 62676-1-2, System requirements – Performance requirements for video transmission

The first subpart of this IEC 62676-1 series applies to systems for surveillance of private and public areas. It includes four security grades and four environmental classes.

This IEC Standard is intended to assist Video Surveillance System (VSS) companies, manufacturers, system integrators, installers, consultants, owners, users, insurers and law enforcement in achieving a complete and accurate specification of the surveillance system. This International Standard does not specify the type of technology for a certain observation task.

Due to the wide range of VSS applications e.g. security, safety, public safety, transportation, etc. only the minimum requirements are covered in this standard.

For specific applications e.g. in homeland security, additional requirements need to be applied, which are defined in the annex of this standard.

This IEC Standard is not intended to be used for testing individual VSS components.

Today VSSs reside in security networks using IT infrastructure, equipment and connections within the protected site itself.

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VIDEO SURVEILLANCE SYSTEMS FOR USE IN SECURITY APPLICATIONS –

Part 1-1: System requirements – General

1 Scope

This part of IEC 62676 specifies the minimum requirements and gives recommendations for Video Surveillance Systems (VSS), so far called CCTV, installed for security applications. This Standard specifies the minimum performance requirements and functional requirements to be agreed on between customer, law-enforcement where applicable and supplier in the operational requirement, but does not include requirements for design, planning, installation, testing, operation or maintenance. This standard excludes installation of remotely monitored detector activated VSSs.

This IEC Standard also applies to VSS sharing means of detection, triggering, interconnection, control, communication and power supplies with other applications. The operation of a VSS is not be adversely influenced by other applications.

Requirements are specified for VSS components where the relevant environment is classified. This classification describes the environment in which the VSS 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 (see Annex A).

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 60065, Audio, video and similar electronic apparatus – Safety requirements

IEC 60068-2-75, Environmental testing – Part 2-75: Tests – Test Eh: Hammer tests

IEC 60529, Degrees of protection provided by enclosures (IP Code)

IEC 60950-1, Information technology equipment – Safety – Part 1: General requirements

IEC 61000-6-1:2005, Electromagnetic compatibility (EMC) – Part 6-1: Generic standards – Immunity for residential, commercial and light-industrial environments

IEC 61000-6-2:2005, Electromagnetic compatibility (EMC) – Part 6-2: Generic standards – Immunity for industrial environments

IEC 61000-6-3, Electromagnetic compatibility (EMC) – Part 6-3: Generic standards – Emission standard for residential, commercial and light-industrial environments

IEC 61000-6-4, Electromagnetic compatibility (EMC) – Part 6-4: Generic standards – Emission standard for industrial environments



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