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Video surveillance systems for use in security applications - Part 5: Data specifications and image quality performance for camera devices

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NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 62676-5

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ICS 13.320

English Version

Video surveillance systems for use in security applications - Part 5: Data specifications and image quality performance for camera devices (IEC 62676-5:2018)

Systèmes de vidéosurveillance destinés à être utilisés dans les applications de sécurité - Partie 5: Spécifications des données et performances de la qualité d'image pour les dispositifs de caméra (IEC 62676-5:2018)

Videoüberwachungsanlagen für Sicherungsanwendungen - Teil 5: Leistungsbeschreibung und Bildqualitätseigenschaften für Kameras (IEC 62676-5:2018)

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European foreword

The text of document 79/607/FDIS, future edition 1 of IEC 62676-5, prepared by IEC/TC 79 "Alarm and electronic security systems" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62676-5:2018.

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) 2019-04-10
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2021-07-10

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Endorsement notice

The text of the International Standard IEC 62676-5:2018 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 62676-2-1 NOTE Harmonized as EN 62676-2-1
IEC 62676-2-2 NOTE Harmonized as EN 62676-2-2
IEC 62676-2-3 NOTE Harmonized as EN 62676-2-3
IEC 62676-4 NOTE Harmonized as EN 62676-4

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Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

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 60825-1	-	Safety of laser products -- Part 1: Equipment classification and requirements	EN 60825-1	-
IEC 61146-1	-	Video cameras (PAL/SECAM/NTSC) -Methods of measurement -- Part 1: Non-broadcast single-sensor cameras	EN 61146-1	-
IEC 62471	-	Photobiological safety of lamps and lamp systems	EN 62471	-
IEC 62676-1-2	2013	Video surveillance systems for use in security applications -- Part 1-2: Video transmission ¿ General video transmission - requirements	EN 62676-1-2	2014
-	-		+ AC	2015
IEC 62676-3	-	Video surveillance systems for use in security applications - Part 3: Analog and digital video interfaces	EN 62676-3	-
ISO 14524	-	Photography – Electronic still picture-cameras – Methods for measuring optoelectronic conversion functions (OECFs)		-
ITU-R Recommendation BT.601-5	-	Encoding parameters of digital television-for studios		-
ITU-R Recommendation BT.709	-	Parameter values for the HDTV* standard-for production and international program exchange		-

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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VIDEO SURVEILLANCE SYSTEMS FOR USE IN SECURITY APPLICATIONS –

Part 5: Data specifications and image quality performance for camera devices

FOREWORD

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International Standard IEC 62676-5 has been prepared by IEC technical committee 79: Alarm and electronic security systems.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
79/607/FDIS	79/609/RVD

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

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

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A list of all parts in the IEC 62676 series, 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 document will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific document. At this date, the document will be

- reconfirmed,
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INTRODUCTION

IEC Technical Committee 79 in charge of alarm and electronic security systems together with many governmental organizations, 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 systems is divided into five independent parts:

Part 1: System requirements

Part 2: Video transmission protocols

Part 3: Analog and digital video interfaces

Part 4: Application guidelines

Part 5: Data specifications and image quality performance for camera devices

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

The purpose of this part of IEC 62676 is to specify representation and measuring methods of performance values to be described in materials such as instruction manuals, brochures and specifications of video surveillance camera equipment, and provide convenience for users, installers, integrators and maintenance companies, etc.

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