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BSI Standards Publication

Video surveillance systems for use in security applications

Part 4: Application guidelines

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National foreword

This British Standard is the UK implementation of EN IEC 62676-4:2025. It is identical to IEC 62676-4:2025. It supersedes BS EN 62676-4:2015, which will be withdrawn on 30 November 2028.

The UK participation in its preparation was entrusted to Technical Committee GW/1/10, Video Surveillance Systems (VSS), commonly known as CCTV.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Amendments/corrigenda issued since publication

Date	Text affected

EUROPEAN STANDARD **EN IEC 62676-4**

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EUROPÄISCHE NORM

November 2025

ICS 13.320

Supersedes EN 62676-4:2015

English Version

Video surveillance systems for use in security applications - Part 4: Application guidelines (IEC 62676-4:2025)

Systèmes de vidéosurveillance destinés à être utilisés dans les applications de sécurité - Partie 4: Directives d'application
(IEC 62676-4:2025)

Videoüberwachungsanlagen für Sicherungsanwendungen - Teil 4: Anwendungsregeln
(IEC 62676-4:2025)

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European foreword

The text of document 79/727/FDIS, future edition 2 of IEC 62676-4, prepared by TC 79 "Alarm and electronic security systems" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62676-4:2025.

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) 2026-11-30
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2028-11-30

This document supersedes EN 62676-4:2015 and all of its amendments and corrigenda (if any).

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Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

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The text of the International Standard IEC 62676-4:2025 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 standard indicated:

IEC 31010	NOTE	Approved as EN IEC 31010
IEC 62305 (series)	NOTE	Approved as EN IEC 62305 (series)
IEC 62305-3	NOTE	Approved as EN IEC 62305-3
IEC 62305-4	NOTE	Approved as EN IEC 62305-4
IEC 62676-2-11	NOTE	Approved as EN IEC 62676-2-11
IEC 62676-2-31	NOTE	Approved as EN IEC 62676-2-31
IEC 62676-2-32	NOTE	Approved as EN IEC 62676-2-32
IEC 62676-2-33	NOTE	Approved as EN IEC 62676-2-33
IEC 62676-5:2018	NOTE	Approved as EN IEC 62676-5:2018 (not modified)

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(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 Where 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.cencenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 62676-1-1	2013	Video surveillance systems for use in security applications - Part 1-1: System requirements - General	EN 62676-1-1	2014
-	-		+ AC	2014
IEC 62676-1-2	2013	Video surveillance systems for use in security applications - Part 1-2: System requirements - Performance requirements for video transmission	EN 62676-1-2	2014
-	-		+ AC	2015
IEC 62676-2	series	Video surveillance systems for use in security applications - Part 2-1: Video transmission protocols - General requirements	EN 62676-2	series
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 62676-3	-	Video surveillance systems for use in security applications - Part 3: Analog and digital video interfaces	EN 62676-3	-
IEC 62820-2	-	Building intercom systems - Part 2: Requirements for advanced security building intercom systems (ASBIS)	EN IEC 62820-2	-
IEC 62820-3-2	-	Building intercom systems - Part 3-2: Application guidelines - Advanced security building intercom systems (ASBIS)	EN IEC 62820-3-2	-

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

FOREWORD

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IEC 62676-4 has been prepared by IEC technical committee 79: Alarm and electronic security systems. It is an International Standard.

This second edition cancels and replaces the first edition published in 2014. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) implementing request for define a security concept (instead of just a risk analysis) (4.2);
b) selection of security grades (4.2.3);

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  - upgrade of previous MDORII system with 6 pixel densities (12,5 pixels/meter; 25 pixels/meter; 62,5 pixels/meter ; 125 pixels/meter; 250 pixels/meter; 1 000 pixels/meter) into new O2DCPVS system with 7 pixel densities (20 pixels/meter; 40 pixels/meter; 80 pixels/meter; 125 pixels/meter; 250 pixels/meter; 500 pixels/meter; 1 500 pixels/meter

d) operation of VSS (Clause 17);

e) security grading by size view (Annex D, Table D.2);

f) security grading by application (Annex D, Table D.3);

g) security grading by critical infrastructure (Annex D, Table D.4);

h) tables for number of frames depending on object speed (Annex D, Table D.5 and Table D.6);

i) general updates of tables in entire document.

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

Draft	Report on voting
79/727/FDIS	79/732/RVD

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

The language used for the development of this International Standard is English

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.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

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This part of IEC 62676 describes the planning, design, installation, testing, commissioning, and maintaining of video surveillance systems (VSS) comprising image capture device(s), interconnection(s) and image handling device(s), for use in security applications within private or public spaces.

The objectives of this document are to:

a) provide a framework to assist all interested parties 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 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.

IEC 62676-1-1:2013, *Video surveillance systems for use in security applications - Part 1-1: System requirements - General*

IEC 62676-1-2:2013, *Video surveillance systems for use in security applications - Part 1-2: System requirements - Performance requirements for video transmission*

IEC 62676-2 (all parts), *Video surveillance systems for use in security applications - Part 2-X: Video transmission protocols*

IEC 62676-2-1, *Video surveillance systems for use in security applications - Part 2-1: Video transmission protocols - General requirements*

IEC 62676-3, *Video surveillance systems for use in security applications - Part 3: Analog and digital video interfaces*

IEC 62820-2, *Building intercom systems - Part 2: Requirements for advanced security building intercom systems (ASBIS)*

IEC 62820-3-2, *Building intercom systems - Part 3-2: Application guidelines - Advanced security building intercom systems (ASBIS)*

3 Terms, definitions and abbreviated terms

3.1 Terms and definitions

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

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- IEC Electropedia: available at https://www.electropedia.org/
- ISO Online browsing platform: available at https://www.iso.org/obp