

STN	Obrazové sledovacie systémy na používanie v bezpečnostných aplikáciách Časť 2-33: Obrazové prenosové protokoly Vzostupné spojenie (uplink) na cloud a prístup k vzdialenému systému riadenia	STN EN IEC 62676-2-33 33 4592
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Video surveillance systems for use in security applications - Part 2-33: Video transmission protocols - Cloud uplink and remote management system access

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

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 11/22

Obsahuje: EN IEC 62676-2-33:2022, IEC 62676-2-33:2022

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NORME EUROPÉENNE
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September 2022

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English Version

**Video surveillance systems for use in security applications -
Part 2-33: Video transmission protocols - Cloud uplink and
remote management system access
(IEC 62676-2-33:2022)**

Systèmes de vidéosurveillance destinés à être utilisés dans
les applications de sécurité - Partie 2-33: Protocoles de
transmission vidéo - Liaison montante au nuage et accès
au système de gestion à distance
(IEC 62676-2-33:2022)

Videouüberwachungsanlagen für Sicherungsanwendungen -
Teil 2-33: Cloud-Uplink und Fernzugriff von
Managementsystemen
(IEC 62676-2-33:2022)

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EN IEC 62676-2-33:2022 (E)**European foreword**

The text of document 79/658/FDIS, future edition 1 of IEC 62676-2-33, 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 62676-2-33:2022.

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IEC 60839-11-32	NOTE	Harmonized as EN 60839-11-32
IEC 60839-11-33	NOTE	Harmonized as EN IEC 60839-11-33
IEC 62676-2-31	NOTE	Harmonized as EN IEC 62676-2-31
IEC 62676-2-32	NOTE	Harmonized as EN IEC 62676-2-32

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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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.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60839-11-31	-	Alarm and electronic security systems - Part 11-31: Electronic access control systems - Core interoperability protocol based on Web services	EN 60839-11-31	-
IETF RFC 4122	-	A Universally Unique IDentifier (UUID) URN Namespace	-	-
IETF RFC 5246	-	The Transport Layer Security (TLS) Protocol, Version 1.2	-	-
IETF RFC 6125	-	Representation and Verification of Domain-Based Application Service Identity within Internet Public Key Infrastructure Using X.509 (PKIX) Certificates in the Context of Transport Layer Security (TLS)	-	-
IETF RFC 7540	-	Hypertext Transfer Protocol Version 2 (HTTP/2)	-	-



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INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Video surveillance systems for use in security applications –
Part 2-33: Video transmission protocols – Cloud uplink and remote management
system access**

**Systèmes de vidéosurveillance destinés à être utilisés dans les applications de
sécurité –
Partie 2-33: Protocoles de transmission vidéo – Liaison montante au nuage et
accès au système de gestion à distance**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**VIDEO SURVEILLANCE SYSTEMS FOR
USE IN SECURITY APPLICATIONS –****Part 2-33: Video transmission protocols – Cloud uplink and remote
management system access**

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Draft	Report on voting
79/658/FDIS	79/666/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 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.

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/standardsdev/publications.

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INTRODUCTION

Surveillance systems are important in public safety projects to maintain law and order as well as public safety, and to assist the police to perform forensic analysis. Due to organizational and security reasons, large-scale surveillance systems are split in segments, which can lead to information silos. This document provides a standardized interface for management systems such that authorized entities can easily access remote information using the same mechanism they are using today for accessing local information.

VIDEO SURVEILLANCE SYSTEMS FOR USE IN SECURITY APPLICATIONS –

Part 2-33: Video transmission protocols - Cloud uplink and remote management system access

1 Scope

This document specifies management systems interfaces and mechanisms for remote operational access to physical security devices such as video surveillance devices and systems. For video surveillance, the use cases focus on accessing live video and retrieving recordings. The mechanisms defined in this document are not restricted to surveillance applications, but also cover remote access to security systems and electronic access control systems. Configuration of devices and management systems is out of the scope of this document.

Clause 4 introduces remote management access. Clause 5 defines a set of requirements that the protocol needs to fulfil. Clause 6 extends the token-based resource-addressing scheme of IEC 60839-11-31. Clause 7 describes how to retrieve information about remote resources. Clause 8 defines how to connect to devices that are not directly reachable because they are for instance located behind firewalls.

2 Normative references

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IETF RFC 5246, *The Transport Layer Security (TLS) Protocol, Version 1.2*

IETF RFC 6125, *Representation and Verification of Domain-Based Application Service Identity within Internet Public Key Infrastructure Using X.509 (PKIX) Certificates in the Context of Transport Layer Security (TLS)*

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