



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61146-1:1999

ICS 33.160.40

**VIDEO CAMERAS (PAL/SECAM/NTSC)
METHODS OF MEASUREMENT
PART 1: NON-BROADCAST SINGLE-SENSOR
CAMERAS
(IEC 1146-1:1994)**

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Údarás um Chaighdeáin Náisiúnta na hÉireann

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61146-1

September 1996

ICS 33.160.40

Descriptors: Video equipment, motion-picture cameras, measurements, performance evaluation, shot, luminance, test results, comparison, signal to noise ratio, chrominance, amplitude frequency characteristics, distortion, colour, test chart

English version

Video cameras (PAL/SECAM/NTSC)
Methods of measurement
Part 1: Non-broadcast single-sensor cameras
(IEC 1146-1:1994)

Caméras vidéo (PAL/SECAM/NTSC)
Méthodes de mesure
Partie 1: Caméras monocapteurs hors
de la radiodiffusion
(CEI 1146-1:1994)

Meßverfahren für Videokameras
(PAL/SECAM/NTSC)
Teil 1: Kameras mit einem
Aufnahmesensor für den Gebrauch
außerhalb des Rundfunks
(IEC 1146-1:1994)

This European Standard was approved by CENELEC on 1996-07-02. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of the International Standard IEC 1146-1:1994, prepared by TC 84 (transformed into SC 100C, Equipment and systems in the field of audio, video and audiovisual engineering, of IEC TC 100, Audio, video and multimedia systems and equipment), was submitted to the formal vote and was approved by CENELEC as EN 61146-1 on 1996-07-02 without any modification.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 1997-06-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 1997-06-01

Annexes designated "normative" are part of the body of the standard.

Annexes designated "informative" are given for information only.

In this standard, annexes A, B, C, D and ZA are normative and annex E is informative.

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 1146-1:1994 was approved by CENELEC as a European Standard without any modification.

Annex ZA (normative)**Normative references to international publications
with their corresponding European publications**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

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

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 27	series	Letter symbols to be used in electrical technology	HD 245	series
IEC 50(845)	1987	International electrotechnical vocabulary (IEV) Chapter 845: Lighting	-	-
IEC 883	1987	Measuring method for chrominance signal-to-random noise ratio for video tape recorders	HD 527 S1	1989
CCIR Recommendation 567-3	1978 1982 1986 1990	Transmission performance of television circuits designed for use in international connections	-	-
CCIR Report 624-4	1974 1978 1982 1986 1990	Characteristics of television systems	-	-
CIE 01	1986	Colorimetric illuminants	-	-
CIE 02	1986	Colorimetric observers	-	-
CIE 13-2	1988	Method of measuring and specifying colour rendering of light sources	-	-
CIE 15 Supplement 2	1971 1987	Colorimetry: Official recommendation of the international commission on illuminants Recommendation on uniform colour space Colour difference equation - psychometric colour terms	-	-

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