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g`] Ub^Y!`%' "XY. 'I [cHj `Ub^Y_j UbHbYi]b_cj]hgh]`cX_f]j Ub^U!`8 YH_ hcf^]df]
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Medical electrical equipment - Characteristics of digital X-ray imaging devices - Part 1-3:
Determination of the detective quantum efficiency - Detectors used in dynamic imaging
(IEC 62220-1-3:2008)

iTeh STANDARD PREVIEW
(standards.iteh.ai)
Medizinische elektrische Geräte - Merkmale digitaler Röntgenbildgeräte - Teil 1-3:
Bestimmung der detektiven Quanten-Ausbeute - Bildempfänger für dynamische
Bildgebung (IEC 62220-1-3:2008)

<https://standards.iteh.ai/catalog/standards/sist/416aec14-4cf3-442c-ba0e-acteniques/62220-1-3:2008>
Appareils électromédicaux - Caractéristiques des dispositifs d'imagerie numérique à
rayons X - Partie 1-3: Détermination de l'efficacité quantique de détection - Détecteurs
utilisés en imagerie dynamique (CEI 62220-1-3:2008)

Ta slovenski standard je istoveten z: EN 62220-1-3:2008

ICS:

11.040.50 Radiografska oprema Radiographic equipment

SIST EN 62220-1-3:2008 en,fr

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 62220-1-3

September 2008

ICS 11.040.50

English version

**Medical electrical equipment -
Characteristics of digital X-ray imaging devices -
Part 1-3: Determination of the detective quantum efficiency -
Detectors used in dynamic imaging
(IEC 62220-1-3:2008)**

Appareils électromédicaux -
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l'efficacité quantique de détection -
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Medizinische elektrische Geräte -
Merkmale digitaler Röntgenbildgeräte -
Teil 1-3: Bestimmung der
detektiven Quanten-Ausbeute -
Bildempfänger für
dynamische Bildgebung
(IEC 62220-1-3:2008)

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[SIST EN 62220-1-3:2008](https://standards.iteh.ai/catalog/standards/sist/416aee14-4cf3-442c-ba0e-2008-07-018)

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This European Standard was approved by CENELEC on 2008-07-01. 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, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the 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 document 62B/694/FDIS, future edition 1 of IEC 62220-1-3, prepared by SC 62B, Diagnostic imaging equipment, of IEC TC 62, Electrical equipment in medical practice, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62220-1-3 on 2008-07-01.

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) 2009-04-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2011-07-01

In this standard, terms printed in SMALL CAPITALS are used as defined in IEC/TR 60788, in Clause 3 of this standard or in other IEC publications referenced in the Index of defined terms. Where a defined term is used as a qualifier in another defined or undefined term it is not printed in SMALL CAPITALS, unless the concept thus qualified is defined or recognized as a "derived term without definition".

NOTE Attention is drawn to the fact that, in cases where the concept addressed is not strongly confined to the definition given in one of the publications listed above, a corresponding term is printed in lower-case letters.

In this standard, certain terms that are not printed in SMALL CAPITALS have particular meanings, as follows:

- "shall" indicates a requirement that is mandatory for compliance;
- "should" indicates a strong recommendation that is not mandatory for compliance;
- "may" indicates a permitted manner of complying with a requirement or of avoiding the need to comply;
- "specific" is used to indicate definitive information stated in this standard or referenced in other standards, usually concerning particular operating conditions, test arrangements or values connected with compliance;
- "specified" is used to indicate definitive information stated by the manufacturer in accompanying documents or in other documentation relating to the equipment under consideration, usually concerning its intended purposes, or the parameters or conditions associated with its use or with testing to determine compliance.

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association and covers essential requirements of EC Directive MDD (93/42/EEC). See Annex ZZ.

Annexes ZA and ZZ have been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 62220-1-3:2008 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 62220-1	NOTE	Harmonized as EN 62220-1:2004 (not modified).
IEC 62220-1-2	NOTE	Harmonized as EN 62220-1-2:2007 (not modified).
IEC 61262-5	NOTE	Harmonized as EN 61262-5:1994 (not modified).

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[SIST EN 62220-1-3:2008](https://standards.iteh.ai/catalog/standards/sist/416ace14-4cf3-442c-ba0e-7a272c07a508/sist-en-62220-1-3-2008)

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application 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 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 60336	- ¹⁾	Medical electrical equipment - X-ray tube assemblies for medical diagnosis - Characteristics of focal spots	EN 60336	2005 ²⁾
IEC/TR 60788	2004	Medical electrical equipment - Glossary of defined terms	-	-
IEC 61267	1994	Medical diagnostic X-ray equipment - Radiation conditions for use in the determination of characteristics	EN 61267 ³⁾	1994
ISO 12232	1998	Photography - Electronic still-picture cameras - Determination of ISO speed	-	-

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<https://standards.iteh.ai/catalog/standards/sist/416ace14-4cf3-442c-ba0e-7a272c07a508/sist-en-62220-1-3-2008>

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

³⁾ IEC 61267:2005 is harmonised as EN 61267:2006 (not modified).

Annex ZZ
(informative)

Coverage of Essential Requirements of EC Directives

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association and within its scope the standard covers all relevant essential requirements as given in Annex I of the EC Directive 93/42/EEC

Compliance with this standard provides one means of conformity with the specified essential requirements of the Directive concerned.

WARNING: Other requirements and other EC Directives may be applicable to the products falling within the scope of this standard.

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IEC 62220-1-3

Edition 1.0 2008-06

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Medical electrical equipment – Characteristics of digital X-ray imaging devices –
Part 1-3: Determination of the detective quantum efficiency – Detectors used in
dynamic imaging**

**Appareils électromédicaux – Caractéristiques des dispositifs d'imagerie
numérique à rayonnement X –
Partie 1-3: Détermination de l'efficacité quantique de détection – Détecteurs
utilisés en imagerie dynamique**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

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ELECTROTECHNIQUE
INTERNATIONALE

PRICE CODE
CODE PRIX



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**MEDICAL ELECTRICAL EQUIPMENT –
CHARACTERISTICS OF DIGITAL X-RAY IMAGING DEVICES –****Part 1-3: Determination of the detective quantum efficiency –
Detectors used in dynamic imaging**

FOREWORD

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International Standard IEC 62220-1-3 has been prepared by subcommittee 62B: Diagnostic imaging equipment, of IEC technical committee 62: Electrical equipment in medical practice.

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

FDIS	Report on voting
62B/694/FDIS	62B/702/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.

A list of all parts of the IEC 62220 series, published under the general title *Medical electrical equipment – Characteristics of digital X-ray imaging devices*, can be found on the IEC website.

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SIST EN 62220-1-3:2008

The committee has decided that the contents of this publication will remain unchanged until the maintenance result 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

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.