

# Video systems (625/50 progressive) — Video and accompanied data using the vertical blanking interval — Analogue interface

The European Standard EN 62375:2004 has the status of a British Standard

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## National foreword

This British Standard is the official English language version of EN 62375:2004. It is identical with IEC 62375:2004.

The UK participation in its preparation was entrusted to Technical Committee EPL/100, Audio, video and multi-media systems, which has the responsibility to:

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### Summary of pages

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**Video systems (625/50 progressive) –  
Video and accompanied data using the vertical blanking interval -  
Analogue interface  
(IEC 62375:2004)**

Systèmes vidéo (625/50 progressif) -  
Données vidéo et associées utilisant  
l'intervalle de suppression de trame -  
Interface analogique  
(CEI 62375:2004)

Videosysteme (625/50 ohne  
Zeilensprung) –  
Video und Zusatzdaten in der vertikalen  
Austastlücke –  
Analoges Interface  
(IEC 62375:2004)

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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 62375:2004, prepared by IEC TC 100, Audio, video and multimedia systems and equipment, was submitted to the formal vote and was approved by CENELEC as EN 62375 on 2004-09-01 without any modification.

The following dates were fixed:

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- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2007-09-01

Annex ZA has been added by CENELEC.

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## **Endorsement notice**

The text of the International Standard IEC 62375:2004 was approved by CENELEC as a European Standard without any modification.

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## VIDEO SYSTEMS (625/50 PROGRESSIVE) – VIDEO AND ACCOMPANIED DATA USING THE VERTICAL BLANKING INTERVAL – ANALOGUE INTERFACE

### 1 Scope

This International Standard specifies the method of transfer of aspect ratio information code, copy control information code and other codes in the vertical blanking interval of the luminance signal.

This International Standard is applicable to the transfer of video related information with the video signal through the baseband analogue signal of 625-line/50-frame progressive scan video system between digital and analogue video equipments.

### 2 Normative references

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.

ITU-R BT.1358: *Studio parameters of 625 and 525 line progressive scan television systems*

### 3 Terms, definitions, symbols and abbreviated terms

#### 3.1 Terms and definitions

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

##### 3.1.1

##### **letterbox**

picture display format to display a picture with an aspect ratio greater than the screen, in such a way that empty (black) lines are added to conform to the screen

##### 3.1.2

##### **full format**

picture display format with full screen size conforming to its scanning format

##### 3.1.3

##### **CGMS-A**

copy generation management system on analogue video interface, for use in digital video recorders and digital video equipments

#### 3.2 Symbols and abbreviated terms

|       |                       |
|-------|-----------------------|
| $0_h$ | falling sync edge     |
| $a$   | aspect ratio          |
| $F_S$ | clock frequency       |
| LSB   | Least Significant Bit |
| MSB   | Most Significant Bit  |
| NRZ   | Non-Return-to-Zero    |
| $T_d$ | data bit period       |
| $T_s$ | sampling period       |