

INTERNATIONAL
STANDARD

ISO
12608

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**Cinematography — Room and surround
conditions for evaluating television display
from telecine reproduction**

*Cinématographie — Conditions portant sur l'environnement à respecter
pour évaluer l'image sur un moniteur à partir d'un transfert téléciné*



Reference number
ISO 12608:1996(E)

Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 12608 was prepared by Technical Committee ISO/TC 36, *Cinematography*.

Annex A of this International Standard is for information only.

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4 General conditions — Viewing area decor

4.1 The viewing area decor within the field of view shall have a generally neutral matte impression, without dominant colours.

4.2 Surface reflectances shall be non-specular and shall not exceed 10 % of the peak luminance value of the monitor white.

Surfaces which may be reflected in the monitor screens shall have a non-specular surface reflectance of less than 15 %.

4.3 Desk and control console surfaces shall have a generally neutral matte finish without dominant colours or specular features.

5 Surround characteristics

5.1 The wall surrounding the monitor(s) shall be either illuminated or reflective, and present a visually neutral surface. Illuminated or reflected light from the surround shall closely match D_{65} , and shall have a peak luminance of 12 cd/m² for 60 Hz television systems, or 8 cd/m² for 50 Hz television systems, which are nominally 10 % of the monitor screen(s) reference white (see clause 2). A gradation in intensity of the surround, from top to bottom or bottom to top, is more pleasing.

5.2 The surround shall have an area of eight times the monitor screen mask (for a single monitor), or five times the monitor screen masks (for twin monitors). Monitors shall be placed in the centre of the surround (see figures 1 and 2).

6 Viewing room lighting characteristics

6.1 All light sources used during picture assessment or adjustment shall have a colour temperature closely matching the monitor screen, i.e. D_{65} (see clause 2). Ambient reflections from an unpowered monitor shall be at the lowest possible level, and shall not cause perceptible impairment from the viewing position.

6.2 Desks or control consoles where scripts or editing instructions are to be read shall be illuminated to a light level of approximately 100 lx. Illumination on general working surfaces shall be at 30 lx to 40 lx.

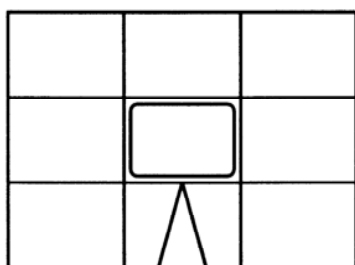


Figure 1 — Single-monitor surround area

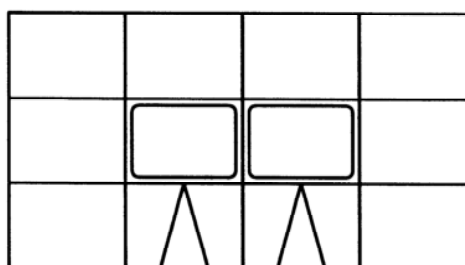


Figure 2 — Two-monitor surround area

Annex A
(informative)

Bibliography

- [1] ISO 2910:1990, *Cinematography — Screen luminance for the projection of motion-picture prints in indoor theatres and review rooms.*
- [2] ISO 6035:1983, *Cinematography — Viewing conditions for the evaluation of films and slides for television — Colours, luminances and dimensions.*
- [3] ISO 6036:1996, *Cinematography — Colour motion-picture films and slides for television — Density specifications.*

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Descriptors: cinematography, motion-picture film, videogram, television systems, colour television, display, tests, testing conditions, viewing conditions.

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