



# SLOVENSKI STANDARD

## SIST ISO 3664:2025

01-oktober-2025

Nadomešča:  
SIST ISO 3664:2011

---

### Grafična tehnologija in fotografija - Pogoji za vizualno opazovanje

Graphic technology and photography - Viewing conditions

Technologie graphique et photographie — Conditions d'examen visuel

Ta slovenski standard je istoveten z: **ISO 3664:2025**

---

<https://standards.iteh.ai/catalog/standards/sist/4d875dea-0563-4bc1-a1e2-042c02ec4869/sist-iso-3664-2025>

**ICS:**

|           |                                 |                               |
|-----------|---------------------------------|-------------------------------|
| 37.040.01 | Fotografija na splošno          | Photography in general        |
| 37.100.01 | Grafična tehnologija na splošno | Graphic technology in general |

**SIST ISO 3664:2025**

**en**





# International Standard

**ISO 3664**

## Graphic technology and photography — Viewing conditions

*Technologie graphique et photographie — Conditions  
d'examen visuel*

**Fourth edition  
2025-07**

iTeh Standards  
(<https://standards.iteh.ai>)  
Document Preview

[SIST ISO 3664:2025](https://standards.iteh.ai/catalog/standards/sist/4d875dea-0563-4bc1-a1e2-042c02ec4869/sist-iso-3664-2025)

<https://standards.iteh.ai/catalog/standards/sist/4d875dea-0563-4bc1-a1e2-042c02ec4869/sist-iso-3664-2025>

**ISO 3664:2025(en)**

**iTeh Standards**  
**(<https://standards.itih.ai>)**  
**Document Preview**

[SIST ISO 3664:2025](https://standards.itih.ai/catalog/standards/sist/4d875dea-0563-4bc1-a1e2-042c02ec4869/sist-iso-3664-2025)

<https://standards.itih.ai/catalog/standards/sist/4d875dea-0563-4bc1-a1e2-042c02ec4869/sist-iso-3664-2025>

**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2025

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland

## ISO 3664:2025(en)

## Contents

|                                                                                                                                          | Page      |
|------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| <b>Foreword</b> .....                                                                                                                    | <b>iv</b> |
| <b>Introduction</b> .....                                                                                                                | <b>v</b>  |
| <b>1 Scope</b> .....                                                                                                                     | <b>1</b>  |
| <b>2 Normative references</b> .....                                                                                                      | <b>1</b>  |
| <b>3 Terms and definitions</b> .....                                                                                                     | <b>1</b>  |
| <b>4 Viewing condition requirements</b> .....                                                                                            | <b>5</b>  |
| 4.1 General requirements.....                                                                                                            | 5         |
| 4.1.1 Applicability.....                                                                                                                 | 5         |
| 4.1.2 Ambient conditions.....                                                                                                            | 5         |
| 4.1.3 Viewing apparatus.....                                                                                                             | 6         |
| 4.1.4 Spectral conditions for the reference illuminant.....                                                                              | 6         |
| 4.1.5 Maintenance.....                                                                                                                   | 7         |
| 4.2 Conditions for critical comparison (ISO viewing conditions P1, P3, T1).....                                                          | 7         |
| 4.2.1 Applicability.....                                                                                                                 | 7         |
| 4.2.2 Illumination.....                                                                                                                  | 7         |
| 4.2.3 Illuminance (P1 and P3).....                                                                                                       | 8         |
| 4.2.4 Surround and backing for reflection viewing (P1 and P3).....                                                                       | 8         |
| 4.2.5 Luminance at the surface of the transparency illuminator (T1).....                                                                 | 9         |
| 4.2.6 Transparency illuminator diffusion characteristics (T1).....                                                                       | 9         |
| 4.2.7 Transparency surround (T1).....                                                                                                    | 9         |
| 4.2.8 Relationship between transparency luminance and print illuminance (P1 or P3 and T1).....                                           | 9         |
| 4.3 Conditions for practical appraisal of prints (including routine inspection) (ISO viewing condition P2 and P4).....                   | 10        |
| 4.3.1 Applicability.....                                                                                                                 | 10        |
| 4.3.2 Illumination.....                                                                                                                  | 10        |
| 4.3.3 Illuminance.....                                                                                                                   | 10        |
| 4.3.4 Surround and backing.....                                                                                                          | 10        |
| 4.4 Conditions for viewing small transparencies by projection (ISO viewing conditions T2).....                                           | 11        |
| 4.4.1 Applicability.....                                                                                                                 | 11        |
| 4.4.2 Illumination.....                                                                                                                  | 11        |
| 4.4.3 Luminance.....                                                                                                                     | 11        |
| 4.4.4 Uniformity of the projection screen luminance.....                                                                                 | 11        |
| 4.4.5 Surround.....                                                                                                                      | 11        |
| 4.4.6 Ambient light and veiling flare.....                                                                                               | 11        |
| 4.4.7 Resolution.....                                                                                                                    | 11        |
| 4.4.8 Distortion.....                                                                                                                    | 11        |
| <b>5 Test methods</b> .....                                                                                                              | <b>12</b> |
| 5.1 Spectral measurements.....                                                                                                           | 12        |
| 5.2 Illuminance and luminance.....                                                                                                       | 12        |
| 5.3 Resolution assessment for projection viewing apparatus.....                                                                          | 12        |
| <b>Annex A (informative) Summary of viewing conditions specified in this document</b> .....                                              | <b>13</b> |
| <b>Annex B (informative) Validity of requirements for reference viewing conditions for a print</b> .....                                 | <b>15</b> |
| <b>Annex C (informative) Guidelines for judging and exhibiting photographs</b> .....                                                     | <b>18</b> |
| <b>Annex D (normative) Conformance test to UV content contained in illumination for P3 and P4 condition</b> .....                        | <b>20</b> |
| <b>Annex E (informative) Considerations for simultaneous comparison of samples between multiple reference viewing environments</b> ..... | <b>24</b> |
| <b>Bibliography</b> .....                                                                                                                | <b>28</b> |