

**Photography — Lenticular print for changing images — Measurements of image quality**  
**Photography — Lenticular print for changing images — Measurements of image quality**

---

**Contents**

	Foreword
	Introduction
	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
3.1	Terms
3.2	Abbreviations
4	Standard environmental conditions
4.1	Temperature and humidity
4.2	Ambient illumination conditions
5	Measurement conditions
5.1	General
5.2	Geometry of measurements
5.2.1	Standard conditions with hemispherical illumination
5.2.2	Optional conditions with directional illumination
5.3	Light source
5.4	Light measuring device (LMD)
5.5	Working standards and references
6	Preparation of lenticular print samples
6.1	Test pattern
6.2	Printing
6.3	Construction of a lenticular print
7	Measurements and calculations
7.1	General
7.2	Measurements of angular dependence
7.3	Calculation of cross-talk, viewing angle range and angular misalignment
7.4	Uniformity in the printing area
8	Classifications
8.1	General
8.2	Cross-talk
8.3	Viewing angle range
8.4	Angular misalignment
8.5	Uniformity in the printing area
1	Scope
2	Normative references
3	Terms and definitions

3.1	Terms
3.2	Abbreviations
4	Standard environmental conditions
4.1	Temperature and humidity
4.2	Ambient illumination conditions
5	Measurement conditions
5.1	General
5.2	Geometry of measurements
5.2.1	Standard conditions with hemispherical illumination
5.2.2	Optional conditions with directional illumination
5.3	Light source
5.4	Light measuring device (LMD)
5.5	Working standards and references
6	Preparation of lenticular print samples
6.1	Test pattern
6.2	Printing
6.3	Construction of a lenticular print
7	Measurements and calculations
7.1	General
7.2	Measurements of angular dependence
7.3	Calculation of cross-talk, viewing angle range and angular misalignment
7.4	Uniformity in the printing area
8	Classifications
8.1	General
8.2	Cross-talk
8.3	Viewing angle range
8.4	Angular misalignment
8.5	Uniformity in the printing area
Annex A	(informative) Explanation of a lenticular lens print
A.1	General
A.2	Structure of a lenticular lens print
A.3	Mechanism for changing images
Annex B	(informative) Procedures of lenticular printing
B.1	Marker
B.2	Printing procedures
B.2.1	Outline
B.2.2	Adjustment of the inclination of the lens sheet
B.2.3	Adjustment of colour register
B.2.4	Adjustment of the pitch
B.2.4.1	Outline
B.2.4.2	Creation of a test chart for pitch measurements
B.2.4.3	Printing of the test chart for pitch measurements
B.2.4.4	Estimation of the pitch of a lenticular lens
B.3	Quality inspection
Annex C	(informative) Selection and receiving inspection of lenticular lens sheets
C.1	Selection of lenticular lens sheets
C.1.1	General
C.1.2	Accuracy and precision of the dimensions
C.1.3	Durability
C.2	Receiving inspection
Annex A	(informative) Explanation of a lenticular lens print
A.1	General
A.2	Structure of a lenticular lens print
A.3	Mechanism for changing images

**Annex B (informative) Procedures of lenticular printing**

- B.1** Marker
- B.2** Printing procedures
  - B.2.1** Outline
  - B.2.2** Adjustment of the inclination of the lens sheet
  - B.2.3** Adjustment of colour register
  - B.2.4** Adjustment of the pitch
    - B.2.4.1** Outline
    - B.2.4.2** Creation of a test chart for pitch measurements
    - B.2.4.3** Printing of the test chart for pitch measurements
    - B.2.4.4** Estimation of the pitch of a lenticular lens
- B.3** Quality inspection

**Annex C (informative) Selection and receiving inspection of lenticular lens sheets**

- C.1** Selection of lenticular lens sheets
  - C.1.1** General
  - C.1.2** Accuracy and precision of the dimensions
  - C.1.3** Durability
- C.2** Receiving inspection

Page count: 0 22