

ISO 20793:2024-05 (E)

Photography - Lenticular print for changing images - Measurements of image quality

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
3.1	Terms	1
3.2	Abbreviations	2
4	Standard environmental conditions	2
4.1	Temperature and humidity	2
4.2	Ambient illumination conditions	2
5	Measurement conditions	2
5.1	General	2
5.2	Geometry of measurements	3
5.2.1	Standard conditions with hemispherical illumination	3
5.2.2	Standard conditions with directional illumination	3
5.3	Light source	4
5.4	Light measuring device (LMD)	4
5.5	Working standards and references	5
6	Preparation of lenticular print samples	6
6.1	Test pattern	6
6.2	Printing	7
6.3	Test images for lenticular prints produced by imaging directly through the lenticular screen	7
6.4	Construction of a lenticular print	8
7	Measurements and calculations	8
7.1	General	8
7.2	Measurements of angular dependence	9
7.3	Calculation of crosstalk, viewing angle range and angular misalignment	10
7.4	Crosstalk for laser-engraved, lenticular samples	11
7.5	Uniformity in the printing area	12
8	Classifications	12
8.1	General	12
8.2	Crosstalk	12
8.3	Viewing angle range	13
8.4	Angular misalignment	13
8.5	Uniformity in the printing area	13
	Annex A (informative) Explanation of a lenticular lens print	14
	Annex B (informative) Procedures of lenticular printing	16
	Annex C (informative) Evaluation of lenticular material quality prior to laser imaging	22
	Annex D (informative) Selection and receiving inspection of lenticular lens sheets	27
	Bibliography	28