

ISO 19093:2018 (E)

Photography — Digital cameras — Measuring low-light performance

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Test conditions and setup
4.1	Test chart
4.1.1	Test chart and illumination
4.2	Camera settings
4.2.1	General
4.2.2	Test lenses
4.2.3	Auto focus
4.2.4	Quality and file type
4.2.5	ISO sensitivity setting
4.2.6	White balance
4.2.7	Flash
4.2.8	Noise reduction
4.2.9	Exposure mode
4.2.10	Scene and capture modes
4.3	Capturing a reference image
4.4	Capture of the test images
4.4.1	Illumination level
4.4.2	Best image selection
5	Camera performance aspects affected by low light
5.1	Exposure time
5.2	Exposure level
5.3	Noise
5.4	Texture (low-contrast fine detail)
5.5	Chroma decrease
6	Presentation of the results
Annex A	(informative) Example for generating a single performance value from measured results
A.1	General
A.2	Exposure time
A.3	Exposure level
A.4	Noise
A.5	Texture
A.6	Chroma decrease
Annex B	(normative) Test chart
B.1	Chart sizes and background
B.2	Mandatory features
B.2.1	Focusing aid
B.2.2	OECF patches
B.2.3	Siemens stars
B.2.4	Colour patches
B.3	Optional features

- B.3.1** **Dead leaves**
- B.3.2** **Slanted edges and visual structures**

Page count: 19