

ISO 19264-1:2021 (E)

Photography — Archiving systems — Imaging systems quality analysis — Part 1: Reflective originals

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	System setup and calibration
4.1	General
4.2	System configuration
4.3	Camera/scanner settings
4.4	Exposure
4.5	White balancing
4.6	ICC Profiling
4.7	Focusing
4.8	Colour encoding
4.9	Reproduction scale
5	Imaging system quality analysis procedure
6	Imaging systems quality characteristics and metrics
6.1	General
6.2	Tones and noise
6.3	Colour
6.4	Details
6.5	Geometry
7	Reporting results
7.1	General
7.2	Example report for tone reproduction results
7.3	Gain modulation
7.4	Dynamic range
7.5	Noise
7.6	Banding
7.7	Defect pixels
7.8	White balance
7.9	Colour reproduction
7.10	Colour mis-registration
7.11	Sampling rate
7.12	Resolution
7.13	MTF 50/MTF 10
7.14	Sharpening
7.15	Acutance
7.16	Lightness non-uniformity
7.17	Chrominance non-uniformity
7.18	Distortion
7.19	Reproduction scale
Annex A	(normative) Test chart requirements

Annex B (informative) Guidelines for imaging performance aims and tolerances

Annex C (informative) Example of multi-pattern chart: Universal Test Target (UTT)

- C.1 Overview**
- C.2 Chart features**
- C.3 Scalability**
- C.4 Tolerances**
- C.5 Surrounding black line**
- C.6 Background checkerboard**
- C.7 Grey scale pattern**
- C.8 Scales**
- C.9 Grey scales**
- C.10 Colour patches**
- C.11 Slanted edges**
- C.12 Visual resolution structures**
- C.13 Additional chart border**
- C.14 Labelling patch (for sponsor logo, provider information etc.)**
- C.15 Serialization**
- C.16 Space for optional test pattern**
- C.17 Representation of the target**
- C.18 Chart definition of the ISO 19264 test chart**

Page count: 51