

ISO/TS 19264-1:2017-04 (E)

Photography - Archiving systems - Image quality analysis - Part 1: Reflective originals

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	System setup and calibration	10
4.1	General	10
4.2	System configuration	10
4.3	Camera/scanner settings	10
4.4	Exposure	10
4.5	White balancing	11
4.6	ICC Profiling	11
4.7	Focusing	11
4.8	Colour encoding	11
4.9	Reproduction scale	12
5	Imaging system quality analysis procedure	12
6	Imaging systems quality characteristics and metrics	13
6.1	General	13
6.2	Tones and noise	13
6.3	Colour	16
6.4	Details	18
6.5	Geometry	20
7	Reporting results	21
7.1	General	21
7.2	Example report for tone reproduction results	22
7.3	Gain modulation	23
7.4	Dynamic range	24
7.5	Noise	24
7.6	Banding	26
7.7	Defect pixels	27
7.8	White balance	27
7.9	Colour reproduction	28
7.10	Colour mis-registration	29
7.11	Sampling rate	29
7.12	Resolution	29
7.13	MTF 50/MTF 10	29
7.14	Sharpening	29
7.15	Acutance	29
7.16	Illuminance non-uniformity	29
7.17	Chrominance non-uniformity	29
7.18	Distortion	29
7.19	Reproduction scale	29

Annex A (normative) Test chart requirements	30
Annex B (normative) Guidelines for imaging performance aims and tolerances	32
Annex C (informative) Example of multi-pattern chart: Universal Test Target (UTT)	34
Bibliography	55