

ISO 14524:2009-02 (E)

Photography - Electronic still-picture cameras - Methods for measuring opto-electronic conversion functions (OECFs)

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Test methods	3
4.1	General	3
4.2	Camera OECF measurement	4
4.3	Focal plane OECF measurement (method A)	4
4.4	Alternative focal plane OECF measurement (method B)	4
5	Illumination	5
5.1	Focal plane OECF measurement (method A)	5
5.2	Alternative focal plane (method B) and camera OECF measurement	5
6	Test conditions	5
6.1	Temperature and relative humidity	5
6.2	White balance (only applicable to colour cameras)	5
6.3	Infrared-blocking (IR-blocking) filter	6
6.4	Focus	6
7	Input	7
7.1	Focal plane log exposures	7
7.2	Camera OECF chart log luminances	7
8	Data analysis	8
9	Presentation of results	8
9.1	General	8
9.2	Tabular presentation	9
9.3	Graphical presentation	11
Annex A (normative) ISO 14524 camera OECF test chart		13
Annex B (informative) Relevance of the ISO 7589 spectral distribution index		20
Annex C (informative) Reporting of the camera OECF in relative reflectance units		22
Bibliography		23