AS ISO 19093:2020 ISO 19093:2018/Amd.1:2020 (Incorporating Amendment No. 1)





Photography — Digital cameras — Measuring low-light performance



AS ISO 19093:2020

This Australian Standard® was prepared by MS-065, Photography. It was approved on behalf of the Council of Standards Australia on 28 January 2020.

This Standard was published on 14 February 2020.

The following are represented on Committee MS-065:

Australian Chamber of Commerce and Industry
Australian Industry Group
Australian Institute of Professional Photography
Australian War Memorial
CSIRO Data61
Engineers Australia
State Library of New South Wales
University of New South Wales
University of Technology Sydney
Western Sydney University

This Standard was issued in draft form for comment as DR AS ISO 19093:2019.

Keeping Standards up-to-date

Ensure you have the latest versions of our publications and keep up-to-date about Amendments, Rulings, Withdrawals, and new projects by visiting: www.standards.org.au

This is a free page sample. Access the full version online.

AS ISO 19093:2020 ISO 19093:2018/Amd.1:2020 (Incorporating Amendment No. 1)

Photography — Digital cameras — Measuring low-light performance

First published as AS ISO 19093:2020. Reissued incorporating Amendment No 1 (July 2021).

COPYRIGHT

- © ISO 2020 All rights reserved
- © Standards Australia Limited 2021

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher, unless otherwise permitted under the Copyright Act 1968 (Cth).

Preface

This Standard was prepared by the Standards Australia Committee MS-065, Photography.

h This Standard incorporates Amendment No. 1 (July 2021). The start and end of changes introduced by the Amendment are indicated in the text by tags including the amendment number 1.

Amendment No. 1 to this Standard was prepared by the Joint Standards Australia Committee MS-065, Photography.

The objective of this Standard is to specify a protocol to measure the low-light performance of a camera. It is applicable to the measurement of digital cameras including camera phones and other mobile devices.

The performance aspects defined in this document are intended to all be tested. Picking one or some of them by the tester is out of scope of the usage of this document.

This Standard is identical with, and has been reproduced from, ISO 19093:2018, *Photography — Digital cameras — Measuring low-light performance — Amendment No. 1: Chroma decrease calculation (2020)* which has been added at the end of the source text.

As this document has been reproduced from an International Standard, a full point substitutes for a comma when referring to a decimal marker.

Australian or Australian/New Zealand Standards that are identical adoptions of international normative references may be used interchangeably. Refer to the online catalogue for information on specific Standards.

The terms "normative" and "informative" are used in Standards to define the application of the appendices or annexes to which they apply. A "normative" appendix or annex is an integral part of a Standard, whereas an "informative" appendix or annex is only for information and guidance.

Contents

Pr	eface		ii		
Fo	reword.		iv		
In	troducti	on	v		
1	Scope		1		
2	•	tive references			
3		and definitions			
4	Test conditions and setup				
	4.1	Test chart			
	4.2	Camera settings			
	4.2	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		
		4.2.7 Flash	4		
		4.2.8 Noise reduction	5		
		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		
5	Camera performance aspects affected by low light				
	5.1	Exposure time	5		
	5.2	Exposure level	6		
	5.3	Noise			
	5.4	Texture (low-contrast fine detail)	6		
	5.5	Chroma decrease	6		
6	Presen	tation of the results	8		
Ar	nex A	nex A (informative) Example for generating a single performance value from			
		measured results	10		
Annex B		(normative) Test chart	12		
Bi	bliograp	hy	19		
Ar	Amendment 1				
Ar	Amendment Control Sheet				



The is a new provider i arenade and chare publication at the limit below	This is a free preview.	Purchase the	entire publication	at the link below:
--	-------------------------	--------------	--------------------	--------------------

Product Page

- Dooking for additional Standards? Visit Intertek Inform Infostore
- Dearn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation