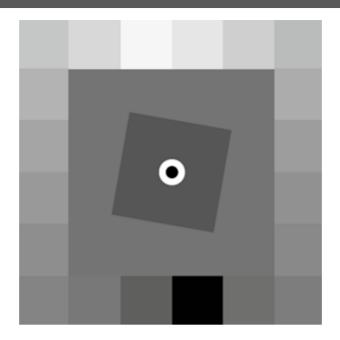
TE283C data sheet PRELIMINARY





Overview

Product name	TE283C
Principle	Test chart to determine the resolution of a digital camera

Features

Slanted edges

Type/s of pattern	1 chart of slanted edges with two vertical and two horizontal edges and one set of gray patches				
Variation	☐ S: Specific matt paper ☐ H: High resolution photographic paper, matt finish, suitable for usage in near IR up to 1050nm***				
Modulation	0.55 - 0.65 (edge to background)				
Background	0.15 - 0.25 remission				
Gray scale	20 step gray scale, individually measured (reference densities of each patch see annex in final version)				
Inclination of the edges	10 degrees				
Size of subchart	100 x 100 mm				
Sample rate* [MP]	minimum maximum				
	□ S - 25**				
	□ H - 100**				
	other				
Size of the gray patches	W [mm] H [mm]				
	50 50				
	other				



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General description hardware

Туре	reflective					
Aspect ratio	☐ 1:1 ☐ other:					
		W [mm]	H [mm]	D [mm]	Weight [g]	
Chart size [W x H x D]		322	322	3.2		
	□ other					
Picture size		16:9				
		W [mm]	H [mm]			
		300	300			
	□ other					
Material	☐ S specific matt paper					
	☐ H photographic paper, matt finish, suitable for usage in near IR up to 1050nm***					
Mounting	aluminum composite panel (aluminum Dibond)					
Edge fashioning	fabric tape, 1cm width					
Service life	3 years					
Scope of delivery	test chart, acceptance protocol					

Miscellaneous

Evaluation / Assessment	RAW recommended, software based analysis, supported by iQ-Analyzer (version 6.2 or higher)
Standards	in respect to ISO 12233
Accessories	chart case, magnetic tape



^{*} if chart fills 1/3 image height the chart can be used with a camera of minimum/maximum sample rate, stated in mega pixel (MP)

^{**} HDTV ~ 2.1 MP, 4K ~ 8.3 MP, 8K ~ 33 MP

^{***} the existing measurement tools have a range up to a maximum of 1050nm, therefore a specification of longer wavelengths is not possible