



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	<input type="checkbox"/> S: Specific matt paper <input type="checkbox"/> 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	
	<input type="checkbox"/> S	-	25**
	<input type="checkbox"/> H	-	100**
	other		
Size of the gray patches	W [mm]	H [mm]	
	50	50	
	other		



General description hardware

Type	reflective			
Aspect ratio	<input type="checkbox"/> 1:1 <input type="checkbox"/> other: _____			
Chart size [W x H x D]	W [mm]	H [mm]	D [mm]	Weight [g]
	<input type="checkbox"/> 322	<input type="checkbox"/> 322	<input type="checkbox"/> 3.2	
	<input type="checkbox"/> other			
Picture size	16:9			
	W [mm]	H [mm]		
	<input type="checkbox"/> 300	<input type="checkbox"/> 300		
	<input type="checkbox"/> other			
Material	<input type="checkbox"/> S specific matt paper <input type="checkbox"/> 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