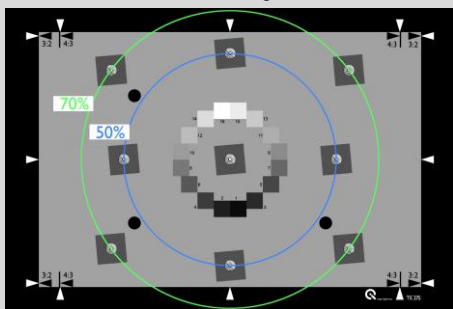


Overview

Product name	TE275 A
Principle	A test chart to determine the resolution of a digital camera based on SFR edge measurement. The chart includes gray patches to perform a linearization and complies with ISO 12233.

Features

Slanted edges

Type/s of pattern	<p>Nine sub-charts of low contrast slanted edges</p> <ul style="list-style-type: none"> • Each sub-chart has two vertical, two horizontal, and four diagonal edges • 16-step grayscale for linearization and circularly arranged. For gradation, refer to the acceptance protocol • Focusing aid in the center of each sub-chart • Edges tilted by 5 degrees • Sub-charts arranged at 50% and 70% image field (for a 4:3 aspect ratio) 						
Modulation	0.55 - 0.65 (edge to background)						
Background	0.15 - 0.25 optical density The A1066 chart is made up of three parts. The backgrounds of these parts can differ from each other within tolerance.						
Sample rate* [MP]	<table border="1"> <thead> <tr> <th></th> <th>minimum</th> <th>maximum</th> </tr> </thead> <tbody> <tr> <td>A1066 H</td> <td>---**</td> <td>170 (> 8K) ***</td> </tr> </tbody> </table>		minimum	maximum	A1066 H	---**	170 (> 8K) ***
	minimum	maximum					
A1066 H	---**	170 (> 8K) ***					



General description hardware

Type	Reflective				
Aspect ratio	Combines 3:2 and 4:3 (by using framing marks)				
Chart size	W [mm]	H [mm]	D [mm]	Weight [g]	
	A1066	1245	835	3.2	≈ 4500
Picture size	3:2		4:3		
	W [mm]	H [mm]	W [mm]	H [mm]	
A1066	1066	711	948	711	
Material	Photographic film, matt finishing A1066 is made from three parts, which can differ in gray value with a tolerance of ± 0.03 OD.				
Mounting	3mm aluminum composite panel (aluminum Dibond, A1066)				
Edge protection	None				
Service life	3 years				
Storage	Dark, dry, and free from harmful gas (e.g., formaldehyde or ozone). 20 °C and 25 °C with a humidity of 60% – 65% and no direct sunlight at any time.				
Scope of delivery	Test chart, acceptance protocol				

Miscellaneous

Evaluation / Assessment	RAW recommended, supported by iQ-Analyzer
Reference data iQ-Analyzer-X	Individual reference file provided
Measurement device	X-Rite eXact (reflective charts) https://www.image-engineering.de/content/products/charts/IE_reference_data_accuracy.pdf
Standards	ISO 12233
Terms & Conditions	image-engineering.de/terms-and-conditions

* If the chart fills the image height, the chart can be used with a camera of minimum/maximum sampling rate, stated in megapixels (MP)

** No lower limit for Slanted Edges; small ROI increases variance, min. 100-pixel ROI required

*** HDTV ~ 2.1 MP, 4K ~ 8.3 MP, 8K ~ 33 MP