



**Overview**

Product name	TE275 A
Principle	Test chart to determine the resolution of a digital camera based on SFR edge measurement. Chart includes gray patches to perform a linearization and is compliant to ISO 12233.

**Features**

Slanted edges

Type/s of pattern	<p>9 sub charts of low contrast slanted edges</p> <ul style="list-style-type: none"> <li>• each sub chart has 2 vertical and 2 horizontal edges</li> <li>• focusing aid in the center of each sub chart</li> <li>• edges tilted by 5 degrees</li> <li>• sub charts arranged at 50% and 70% image height (for 4:3 aspect ratio)</li> </ul>
	16-step gray scale, circular arranged, for gradation refer to the acceptance protocol
Modulation	0.55 - 0.65 (edge to background)
Background	0.15 - 0.25 optical density



Sample rate* [MP]	minimum		maximum	
	A1066 H	8	180	(> 8K) **
other				

## 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]
	<input type="checkbox"/> A1066	1245	835	3.2	approx. 4500
	<input type="checkbox"/> other				
Picture size****		3:2		4:3	
		W [mm]	H [mm]	W [mm]	H [mm]
	<input type="checkbox"/> A1066	1066	711	948	711
	<input type="checkbox"/> other				
Material	photographic film, semi-matt				
Mounting	aluminum composite panel (aluminum Dibond)				
Edge protection	none				
Service life	3 years				
Scope of delivery	test chart, acceptance protocol				

## Miscellaneous

Evaluation / Assessment	RAW recommended, software based analysis, supported by iQ-Analyzer
Standards	ISO 12233

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

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

\*\*\* outer dimension of the test chart

\*\*\*\* size of the area covered by the pattern



## Acceptance protocol

SN:

Date:

Operator:


## Reference values gray patches\*

Patch	Reference density	Measured density	Deviation
Step 1	1,80	1,80	0,00
Step 2	1,58	1,58	0,00
Step 3	1,39	1,39	0,00
Step 4	1,23	1,23	0,00
Step 5	1,08	1,08	0,00
Step 6	0,95	0,95	0,00
Step 7	0,83	0,83	0,00
Step 8	0,73	0,73	0,00
Step 9	0,63	0,63	0,00
Step 10	0,53	0,53	0,00
Step 11	0,44	0,44	0,00
Step 12	0,36	0,36	0,00
Step 13	0,29	0,29	0,00
Step 14	0,21	0,21	0,00
Step 15	0,15	0,15	0,00
Step 16	0,08	0,08	0,00
Edge	1,30	1,30	0,00
Background	0,70	0,70	0,00
Modulation edge/background			0,60



\*measured on center star