



Overview

Product name	TE251 V2 A / TE251 V2 D
Principle	Test chart to determine local geometric and line geometric distortion, TV-distortion and chromatic aberration of a digital camera, according to ISO 1785, IEC 62676-5 and IEEE P1858 CPIQ.

Features

Cross pattern

Type/s of pattern	15 x 27 crosses, center cross (marked by additional feature) and four black squares		
Dimensions of the crosses [mm]		Width*	Distance**
	A1066	19,2	38,4
	A460	8,3	16,6
	A360	6,5	13
	A280	5,05	10,1
	D280	5,05	10,1
	D35	0,5	1

General description hardware

Type	Reflective (A), Transmissive (D)			
Aspect ratio	16:9, may be used for other aspect ratios likewise			
Chart size [mm]		W	H	D
	A1066	1245	835	3.2
	A460	600	500	3.2
	A360	500	400	3.2
	A280	365	305	3.2
	D280	360	280	4.6
	D35	50	50	2.6



Picture size [mm]	W	H
	A1066	1066.67
A460	460	303.75
A360	360	202.5
A280	280	157.5
D280	280	157.5
D35	28	15.75
Material	Specific matt paper, resolution 3-4 LP/mm (A) Photographic film (D)	
Mounting	Aluminum composite panel (aluminum Dibond), size A1066 Aluminum, size A460, A360, A280 Embedded between glass plates, size D280, D35	
Edge protection	Fabric tape except size A1066, might have influence to chart thickness tolerance	
Chart size tolerances	Up to +/- 2 mm as they are handmade in-house and fabric tape is used Up to +/- 0.5 mm as they are handmade in-house and no edge protection is used (A1066)	
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, cardboard box for storing the chart safety (except A1066)	

Miscellaneous

Evaluation / Assessment	supported by iQ-Analyzer
Reference data iQ-Analyzer-X	Not applicable
Standards	ISO 17850, IEC 62676-5, IEEE 91858 CPIQ
Accessories	Chart case
Terms & Conditions	image-engineering.de/terms-and-conditions

* W (width) equals height

** distance between the centers of two neighboring crosses (distances are the same in horizontal and vertical direction)