



Overview

Product name	TE284 A foreground chart with iQ-Selfimount TE284B A background chart with iQ-Walmount
Principle	Test charts as part of the iQ-Selfie Studio are used to determine resolution and color reproduction of a mobile phone in selfie mode with the image analysis software tool iQ-Analyzer. Additionally, the face is meant to trigger the cameras face recognition but it can also be used for a visual impression assessment. The implementation of the iQ-Selfie Studio as part of the VCX testing procedure is currently under development.

Features

Siemens stars background

Type/s of pattern	1 sinusoidal Siemens star with 16 surrounding gray patches
Size of subchart	290 mm x 279 mm
Modulation	93%
Cycles	144
Diameter star	250 mm
Diameter center marks	12 mm
Gray steps	The contrast of the gray scale complies with the contrast of the Siemens star. Please refer to Acceptance Protocol for exact densities of each step.
Reference data	Individually measured, production tolerance +/- 0.05 OD
Sample rate* [MP]	2 - 30



Slanted edges background

Type/s of pattern	2 horizontal, 2 vertical subcharts of slanted edges with surrounding gray patches
Modulation	60%, 80%
Size of subchart	287 x 287 mm
Sample rate* [MP]	2 - 30

Dead Leaves background

Type/s of pattern	Dead Leaves according to TE276
Contrast	0.8
Size of subchart	287 x 287 mm
Size of Dead Leaves Pattern	200 x 200 mm

Color patches background

Type/s of pattern	TE188 with 18 color patches and 6 gray patches (X-Rite ColorChecker)
Color values	Stated in the TE188 original data sheet. Individual measurement on request.
Size of color patch	40 x 40 mm

Siemens stars foreground

Type/s of pattern	1 sinusoidal Siemens star with 16 surrounding gray patches
Size of subchart	160 x 160 mm
Modulation	93%
Cycles	144
Diameter star	143 mm
Diameter center marks	12 mm
Gray steps	0.04 – 1.55 OD (optical densities), please refer to Acceptance Certificate for exact densities of each step
Reference data	Individually measured, production tolerance +/- 0.03 OD
Sample rate* [MP]	2 - 30

Slanted edges foreground

Type/s of pattern	2 horizontal, 2 vertical subcharts of slanted edges with surrounding gray patches
Modulation	60%, 80%
Size of subchart	160 mm x 160 mm
Sample rate* [MP]	2 - 30



Dead Leaves foreground

Type/s of pattern	Dead Leaves according to TE276
Contrast	0.8
Size of subchart	160 mm x 160 mm
Size of Dead Leaves Pattern	111 mm x 111 mm

Color patches foreground

Type/s of pattern	TE230 with 84 color patches and 56 gray patches (X-Rite ColorChecker SG)
Color values	Stated in the TE230 original data sheet. Individual measurement on request.
Size of color patch	15 x 15 mm

General description hardware

Background chart

Type	Reflective				
Aspect ratio	3:2				
Chart size [W x H x D]		W [mm]	H [mm]	D [mm]	Weight [g]
	A1066	1245	835	3.2	4400
Picture size	Corresponds to chart size				
Material	Specific matt paper, mounted on stable and even plate				
Background plate	Aluminum composite panel (aluminum Dibond)				

Foreground chart

Type	Reflective				
Aspect ratio	4:3				
Chart size [W x H x D]		W [mm]	H [mm]	D [mm]	Weight [g]
	A460	600	500	3.2	660
Picture size	Corresponds to chart size				
Material	Specific matt paper, mounted on stable and even plate				
Background plate	Aluminum composite panel (aluminum Dibond)				

Mannequin

Type	Female plastic mannequin head with brown wig
Intention	Face in the image triggers the cameras face detection, also visual impression assessment possible.



iQ-Selfiemount

Type	Aluminum profile based support for the front chart and head	
Width x Depth [W x D]	500 mm x 360 mm	
Height [H]	min. / max. w/o chart	1010 mm / 1310 mm
	min. / max. w. chart	1400 mm / 1700 mm
Mannequin height	min. / max. height head	1460 mm / 1760 mm
	min. / max. height eyes	1345 mm / 1645 mm
Weight	15 kg	

Scope of delivery

Scope of delivery	TE284 front and TE284B background chart, iQ-Wallmount, iQ-Selfiemount, Manfrotto tripod, Manfrotto 3 way head, iQ-Mobilemount, iQ-Trigger-T
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Miscellaneous

Evaluation / Assessment	Charts supported by iQ-Analyzer (since version 6.1.7) Visual appraisal of the face.
Standards	VCX: For a detailed description of the VCX test procedure and the request of the white paper please contact vcx@camtest.eu .

* if chart fills 1/3 of the image height