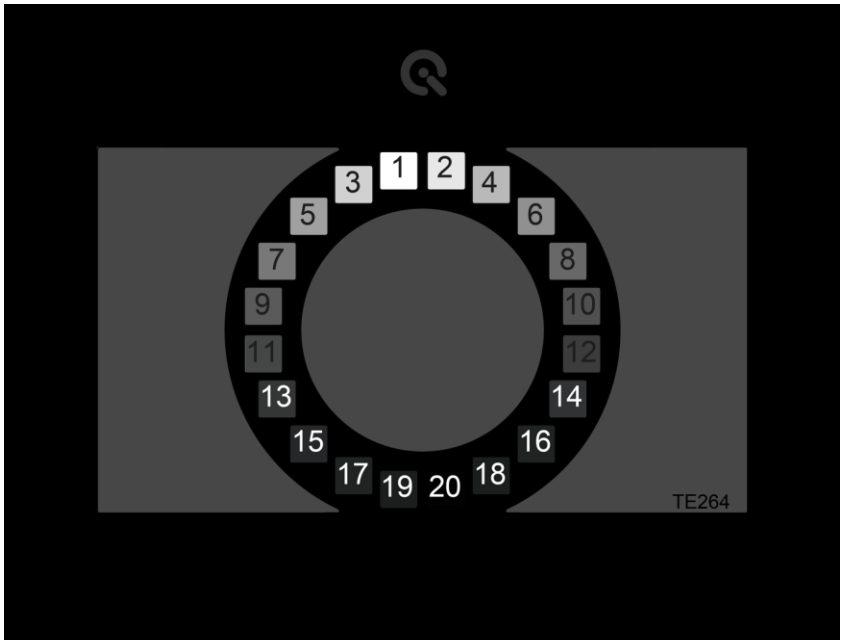
TE264 V2 D data sheet



Overview

Product name	TE264 V2
Principle	Transparent gray scale test chart to determine the OECF, noise, SNR and dynamic range, available in different contrasts

Features

OECF

Type/s of pattern	gray scale, circular arranged (most optical systems are rotationally symmetric so all patches will be affected in the same way by shading)
Contrast	☐ 10,000:1 (80 dB, 13 f-stops) ☐ 100,000:1 (100 dB, 16,5 f-stops) ☐ 1,000,000:1 (120 dB, 20 f-stops) ☐ other: _____
Quality	☐ Standard version ☐ X-version
Number of steps	20
Arrangement of steps	according to ISO 14524
Values that can be gathered from analysis	• OECF / gamma curve • dynamic range • noise • temporal noise • visual noise • SNR • ISO speed of the camera

General description hardware

Type	transmissive				
Aspect ratio	16:9 (can be used for other aspect ratios without restrictions)				
Chart size [W x H x D]		W [mm]	H [mm]	D [mm]	
	☐ D280	360	280	4.6	
	☐ other				
Picture size		4:3		16:9	
		W [mm]	H [mm]	W [mm]	H [mm]
	☐ D280	280	210	280	157.5
	☐ other				
Material	photographic film				
Mounting	black anodized aluminum metal frames				
Edge protection	fabric tape				
Service life	3 years				
Scope of delivery	test chart, stable cardboard envelope to store the chart, air blower, acceptance protocol				

Miscellaneous

Evaluation / Assessment	supported by iQ-Analyzer
Standards	ISO 14524:2009 Methods for measuring opto-electronic conversion functions (OECFs) (TE269A V2 only) ISO 15739:2013 Noise measurements ISO 12232:2006 Determination of exposure index, ISO speed ratings, standard output sensitivity, and recommended exposure index
Accessories	PCR Krochmann Radiolux 111: luminance meter (tele-luminance meters can only be used in combination with a mask that covers the whole chart except the measured patch).