TE226 V2 data sheet



Overview

Product name	TE226 V2
Principle	Transparent color rendition test chart for HDTV cameras. In addition to the primary and secondary colors known from the well-known "ColorChecker", the test chart contains mainly the colors, which are critical in reproduction.

Features

Color patches							
Type/s of pattern	 45 patches arranged in 5 rows with 9 patches each 30 colors which are critical in reproduction, e.g. dark and light skin tones, foliage, blue sky, orange, violet and others First 24 color patches are the same as TE188D 6 color patches with primary and secondary colors as blue, green, red, yellow, purple and cyan 9-step gray scale 						
Color values	Individually measured (default color values 20180404). Values are provided in a separate Acceptance Protocol. Example measurement is given at the end of this data sheet.						
Size of a single patch	D280	4:3 W [mm] -	H [mm] -	16:9 W [mm] 27.0	H [mm] 27.0		
Surface finish	The color foils of transparent charts (and, in rare cases, Munsell charts) may show scratches or streaks. This does not affect the test chart's function in any way as the scratches/streaks are not visible under normal illumination geometry. We also recommend recording the color chart slightly out of focus to obtain a stable average value in the result.						





General description hardware

Туре	transmissive (D chart)						
Aspect ratio	16:9						
		W [mm]	H [mm]	D [mm]			
Chart size [W x H x D]	□ D280	360	280	4.6			
	□ other						
		4:3		16:9			
		W [mm]	H [mm]	W [mm]	H [mm]		
Picture size [W x H]	□ D280	-	-	280.0	157.5		
	□ other						
Material	different transparent fo	pils					
Mounting	embedded between metal frames						
Edge protection	fabric tape						
Service life	used for transpa ltra violet light). ot in use.	arent charts are We therefore re	not fade less, es commend to sto	ent is necessary. specially when re the chart in the s of regular use.			
Scope of delivery	test chart, stable card	ooard envelope	(D charts)				

Miscellaneous

Evaluation / Assessment	supported by iQ-Analyzer Color Module
Illumination	It is recommended to test this chart under a continuous spectrum. Typical white LED spectra are not suited for color tests in general.
Standards	Metamorfoze Guideline (Archiving)
Accessoires	chart case
Terms & Conditions	image-engineering.de/terms-and-conditions



TE226 D



Acceptance protocol

SN: Order Confirmation: Date: Operator: Operator:

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Color values of all 45 patches (white point D65)

		Name	X	Y	Z	x	Y	L	а	b
	A1	dark skin	0.1278	0.1074	0.0726	0,4153	0,3490	39,1458	18,4784	13,9909
	B1	light skin	0,4945	0,4484	0,3586	0,3799	0,3445	72,7838	19,4403	14,9615
	C1	blue sky	0,1459	0,1690	0,2925	0,2402	0,2782	48,1326	-8,7008	-18,4742
	D1	foliage	0,0714	0,1243	0,0254	0,3228	0,5621	41,8985	-38,5848	42,6416
S	E1	blue flower	0,4470	0,4039	0,7304	0,2827	0,2554	69,7466	19,2197	-27,2383
ō	F1	bluish green	0,3921	0,5420	0,6113	0,2537	0,3507	78,5754	-35,4473	-1,9336
colors	G1	orange	0,4574	0,3628	0,0624	0,5182	0,4110	66,7310	35,2152	65,5233
	H1	purplish blue	0,2979	0,3180	0,8481	0,2035	0,2172	63,1803	-1,6460	-47,4961
¥.	11	moderate red	0,3884	0,2794	0,1886	0,4535	0,3263	59,8389	44,1375	19,2671
S	A2	purple	0,1324	0,0796	0,3824	0,2228	0,1339	33,8974	44,1378	-55,0789
h	B2	yellow green	0,3399	0,5786	0,1360	0,3223	0,5487	80,6585	-61,7410	66,6659
ColorChecker	C2	orange yellow	0,5417	0,4677	0,0644	0,5045	0,4356	74,0455	26,4213	77,3406
0	D2	blue	0,0859	0,0361	0,4728	0,1445	0,0607	22,3304	59,2019	-85,3606
8	E2	green	0,1000	0,2297	0,0530	0,2614	0,6002	55,0399	-70,1382	49,4792
~	F2	red	0,3594	0,1796	0,0197	0,6433	0,3215	49,4485	79,4447	60,3398
	G2	yellow	0,5236	0,5972	0,0368	0,4523	0,5159	81,6864	-11,1846	103,7898
	H2	magenta	0,4253	0,2050	0,5369	0,3644	0,1756	52,3979	87,6059	-40,0764
	12	cyan	0,4942	0,6119	1,0304	0,2313	0,2864	82,4815	-22,4200	-26,5614
	A3	patch 19	0,2646	0,2542	0,1631	0,3879	0,3728	57,4861	9,7078	20,4758
	B3	patch 20	0,7921	0,7560	0,5988	0,3689	0,3521	89,6750	15,0332	18,3357
	C3	patch 21	0,4409	0,4004	0,3366	0,3743	0,3400	69,4999	18,5051	12,1802
	D3	patch 22	0,1546	0,3395	0,1016	0,2595	0,5700	64,9241	-75,8993	48,8250
	E3	patch 23	0,3182	0,3950	0,5857	0,2450	0,3041	69,1099	-19,6646	-15,9156
S	F3	patch 24	0,5920	0,5751	0,9892	0,2745	0,2667	80,4637	11,2111	-27,3871
colors	G3	patch 25	0,4287	0,2583	0,0444	0,5862	0,3531	57,8730	65,0412	58,5319
8	H3	patch 26	0,4282	0,5757	0,4770	0,2891	0,3888	80,5011	-32,6558	14,4887
	13	patch 27	0,1697	0,1294	0,7026	0,1694	0,1292	42,6768	28,6218	-71,6646
na	A4	patch 28	0,2143	0,1564	0,1908	0,3817	0,2785	46,4923	34,9711	-4,1775
tio	B4	patch 29	0,1659	0,3876	0,3945	0,1750	0,4089	68,5791	-85,1213	3,2489
dit	C4	patch 30	0,1869	0,1093	0,7069	0,1863	0,1090	39,4666	51,6582	-77,5447
additional	D4	patch 31	0,3316	0,1596	0,1714	0,5004	0,2408	46,9154	80,7913	0,4772
	E4	patch 32	0,8298	0,8910	0,5199	0,3703	0,3976	95,6201	-3,2448	36,1241
	F4	patch 33	0,1412	0,1758	0,4643	0,1807	0,2251	48,9875	-15,3155	-38,4849
	G4	patch 34	0,0153	0,0668	0,0694	0,1011	0,4408	31,0655	-76,5704	1,2571
	H4	patch 35	0,6053	0,5088	0,1593	0,4753	0,3996	76,6070	31,0027	54,2889
	14	patch 36	0,4217	0,4459	0,3173	0,3559	0,3763	72,6221	-0,6295	20,1936
	A5	white	0,9505	1,0000	1,0888	0,3127	0,3290	100,0000	0,0000	0,0000
	B5	neutral 87	0,8331	0,8801	0,9576	0,3119	0,3295	95,1664	-0,6658	0,0476
6	C5	neutral 63	0,6050	0,6401	0,6958	0,3117	0,3298	83,9690	-0,7994	0,0916
al	D5	neutral 44	0,4119	0,4358	0,4724	0,3120	0,3301	71,9475	-0,7195	0,2294
It	E5	neutral 28	0,2638	0,2798	0,3018	0,3120	0,3310	59,8740	-0,8883	0,4088
neutrals	F5	neutral 15	0,1405	0,1489	0,1598	0,3128	0,3314	45,4778	-0,6148	0,5015
	G5	neutral 7	0,0628	0,0665	0,0701	0,3150	0,3334	30,9939	-0,4065	0,8683
	H5	neutral 2	0,0190	0,0202	0,0202	0,3194	0,3401	15,5948	-0,5433	1,5049
	15	neutral < 0,1	0,0000	0,0001	0,0000	0,5990	0,9981	0,0622	-0,0989	0,1663
									Normed t	AL ANALYSIS o whitepoint:
								X = (0,95047; Y = 1	; Z = 1,08883

