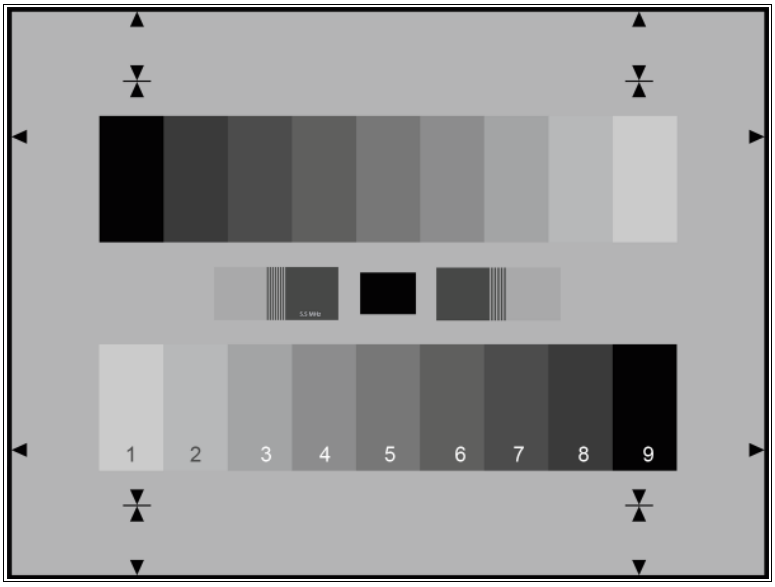
COLOR CAMERA GRAY SCALE TEST CHART

REFLECTANCE



Two 9-graduated counter current gray scales are arranged on a gray background (D ≈ 0.75), the gray scales being graduated logarithmically (gamma = 0.45). The output of an optimally gamma-corrected camera yields two 9-graduated counter current linear step signals. The contrast range of the gray scales is 50:1.

The values of the 9-graduated gray scale are as follows:

Step	Density	Remission in %	Output voltage in %
1	0.22	60	100
2	0.32	48	88.75
3	0.44	36	77.5
4	0.57	26	66.25
5	0.73	19	55
6	0.91	12	43.75
7	1.13	07	32.5
8	1.43	04	21.25
9	1.85	01.4	10

The density values are based on a density of BaO_4S= 0.

The test chart incorporates a super black cavity for the accurate adjustment of camera flare corrections and setting of black level. On both sides of the super black hole 4.5 and 5.5MHz bars with a contrast ratio of 7:1 are located. Above and below the gray scales there are additional markings for the 16:9 format.