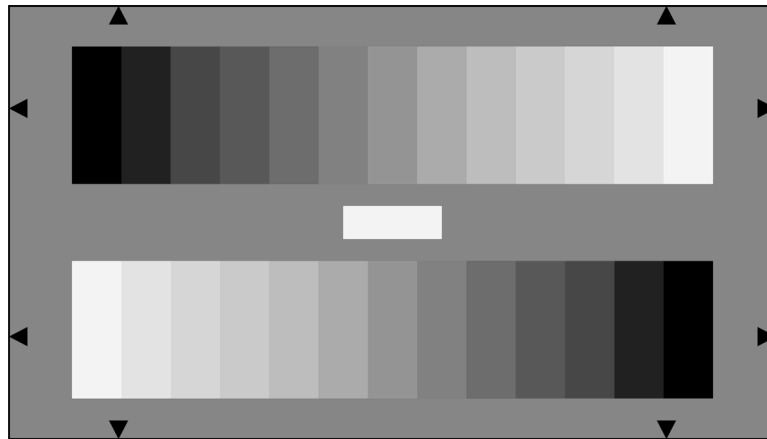




LOGARITHMIC GRAY SCALE TEST CHART

TRANSPARENT



Two 13-graduated counter current gray scales are arranged on a gray background ($D = 0.75$), the gray scales being graduated logarithmically. Related to the densities of the gray scales: $\gamma = 0.45$, related to the transmission values (brightness): $\gamma = 2.2$, that being exactly the reciprocal value of $\gamma = 0.45$. The output signal of a optimally gamma-corrected camera yields two 13-graduated counter current linear step signals.

The contrast range of the gray scales is 200 : 1.

The values of the 13-graduated gray scale are as follows:

Step	Density	Reflectance in %
1	0.05	89
2	0.13	74
3	0.21	62
4	0.30	50
5	0.40	40
6	0.51	31
7	0.63	23
8	0.78	17
9	0.95	11
10	1.15	7
11	1.41	4
12	1.77	2
13	2.35	0.5

The density of the white field between the gray scale is $D = 0.05$ (transparency = 89 %).