three procedures for optimization three photoelectric sensors of colorimetric device driver: 0,01mm image point diameter 4096 (12 bit) luminance range adaptation of the spectral sensitivities at the three measurement at each pixel: tristimulus value functions 3 color values R, G and B optimization of  $3 \times 3$ - or  $3 \times 6$ -device matrices for development intent: colorimetric device driver: conversion from RGB to L\*a\*b\* with 17 CIE-test colors conversion of three color values R, G and B in colorness calculation of the spectral color L\*, a\* and b\* (CIELAB system) reflection or transmission at each image position, for example problems: with three densities of three known large pixel amount: dyes (color pigments), approximately 3000×2000 pixels only possible for within a color slide 36mm × 24mm homogeneous material often original size larger than (slide material, printing material) DIN-A2 with drum scanners

ME001-7N, B1 07

scanner for color slide material:

1-003030-L0