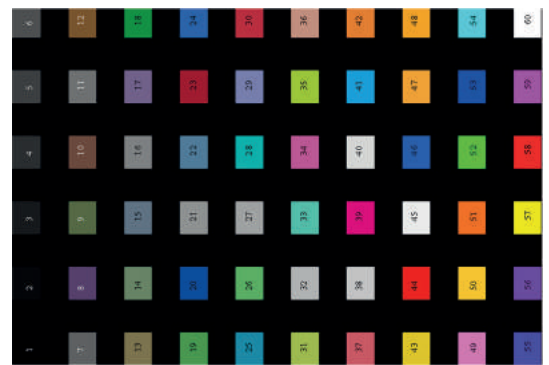
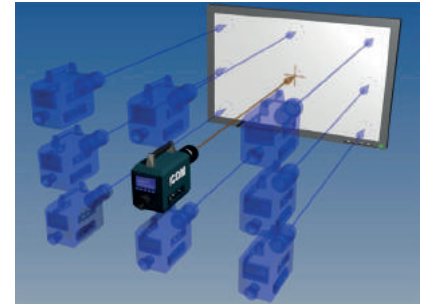
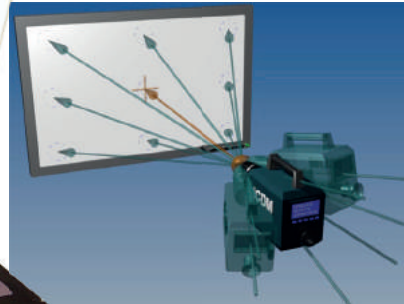
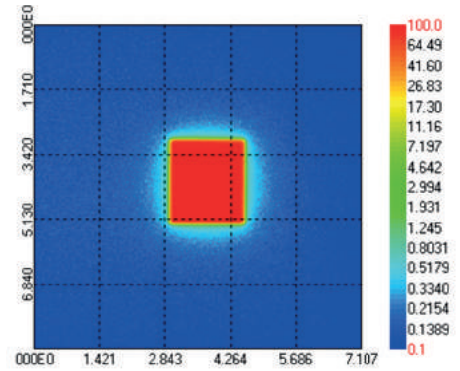


TTO-120



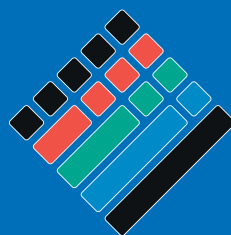
FEATURES

- Full map in one measurement
- Low stray light / Easy setup
- Fast measurements
- High color & luminance accuracy

APPLICATIONS

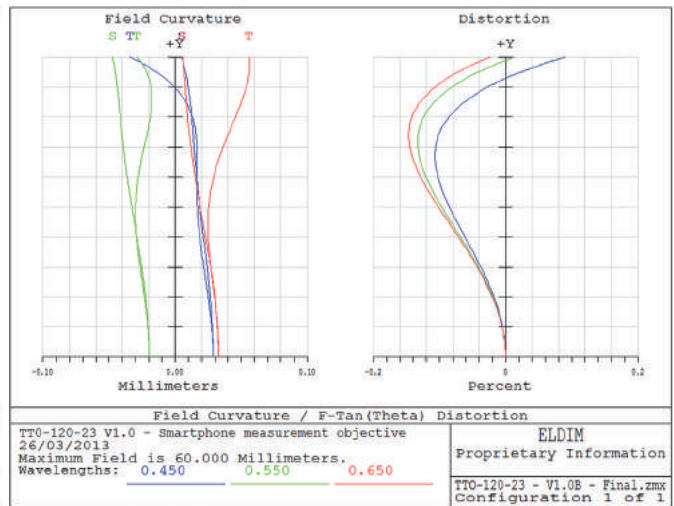
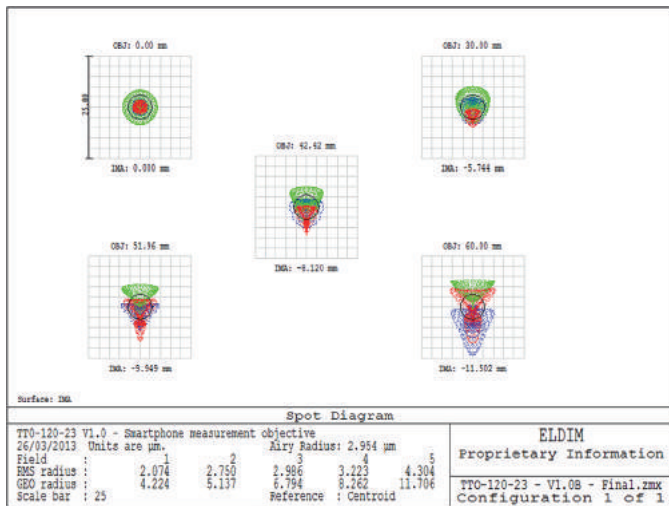
- Full screen Normal measurements.
- VESA / ICDM-IDMS standards compliance tests
- Sampled Uniformity tests (all measurements taken normal to the screen)
- Ideal for the mobiles & tablets quality control

ELDIM proposes different double telecentric optics for imaging colorimeter. The interest of such optics is twofold: the measurement is taken near normal incidence on the entire display surface; the stray light is minimized allowing measurements on complex color patterns with a high spatial resolution and very small distortion.



ELDIM

OPTICAL METROLOGY FOR DISPLAYS



spot radius at five positions in the field of view (left) and curvature and distortion radius versus field of view at 3 wavelengths (right)(wavelengths 450, 550 and 650nm)

Imaging objective	Working distance (mm)	Magnification	Resolution (μm)	Horizontal size (mm)	Vertical size (mm)	Diagonal (mm)
TTO-120	117	1/5.2	28	94	70	120
TTO-280	193	1/12.2	65	219	165	274

Main characteristics of the double telecentric imaging objectives using 8M pixels CCD sensor

Outer dimension UMaster + TTO 120(unit mm)

Dimensions of UMaster videocolorimeter with TTO-120 objective

