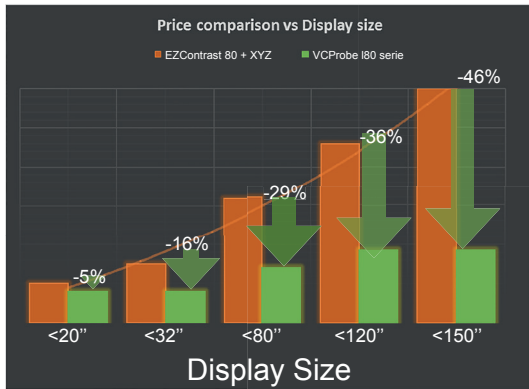


VCPROBE SYSTEMS



FEATURES

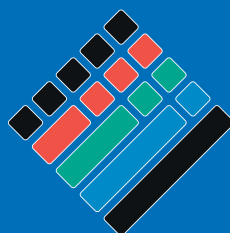
- Non-contact measurement
- On axis spectral data
- Fast measurements
- Robotic included
- Absolute proximity sensing for screen detection

The **VCPROBE Systems** series allows testing of small displays (2" or less) as well as your biggest TV (up to 150") for evaluation of viewing angle as well as uniformity luminance & color characteristics. This is a complete solution that includes: Sensor, robotics & software interface

No more needs for big XYZ motion stages

APPLICATIONS

- For mass production & QC
- For flat, curved & flexible displays
- High versatile, from small to large TV sets



ELDIM

OPTICAL METROLOGY FOR DISPLAYS

Specifications		VCPROBE systems
Sensor	Resolution A/D converter	12M pixels 14 bits
Optics	Incident angle Azimuth angle Angular resolution	0-60° - 0-70° or 0-80° 0-360° < 0.5°
Maximum display size		from 2" to 150" (depending on model)
Measurement time ^(*)	One luminance measurement One color measurement	< 25 < 25
Luminance range	Minimum (cd/m²) Maximum (cd/m²)	0.0001 10 ⁵ cd/m²
Accuracy	Luminance Color (x,y) ^(*)	±3% or less ±0.002
Spectroradiometer (on axis)		Spectral bandwidth: 14nm Range: 380-720nm
Interfaces		10/100/1000 Ethernet USB 2.0
Software interface	Compatibility	Android - IOS - Windows - Linux - Unix
Software suite		IDMS tests included All data formats are based on XML
Robotic arms		Max 0.58m (small displays) Max 1.5m (up to 80") Max 2m (up to 150")

(*) For 100 cd/m² DUT

(*) For standard illuminance A

Outer dimension (unit mm)

