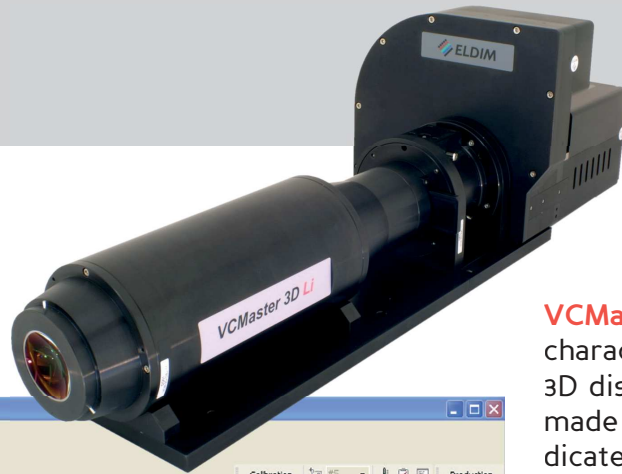


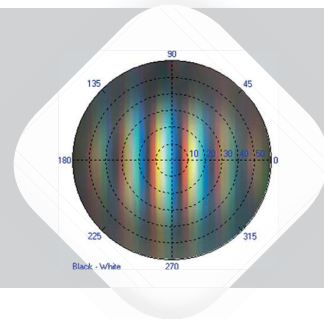
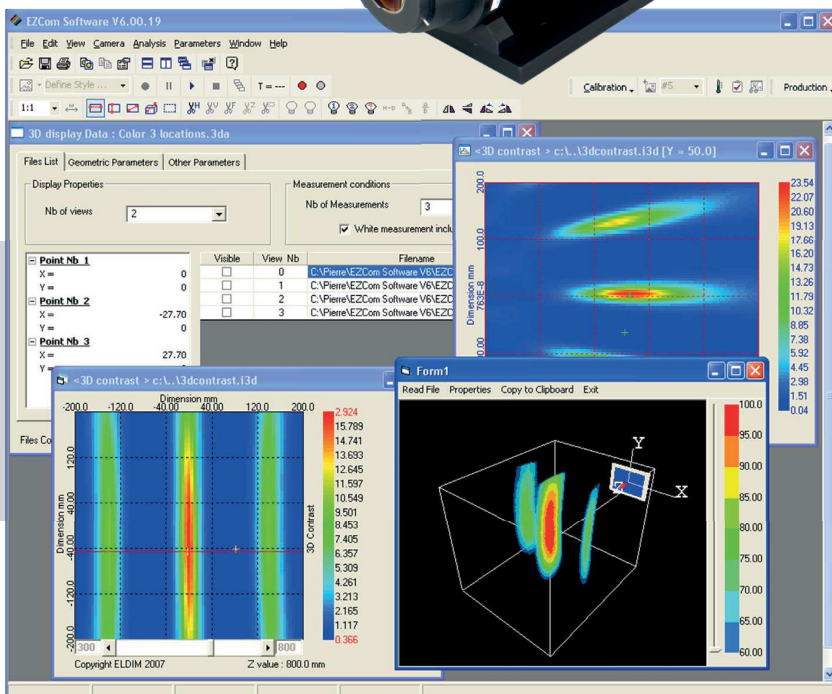
VIEWING ANGLE SERIES

# VCMaster 3D



## OVERVIEW

VCMaster 3D is the world best solution to characterize accurately autostereoscopic 3D display. For 3D display the priority is made on the angular resolution using dedicated optical design and large size sensor. VCMaster 3D comes with a complete software solution for measurement and 3D analysis.

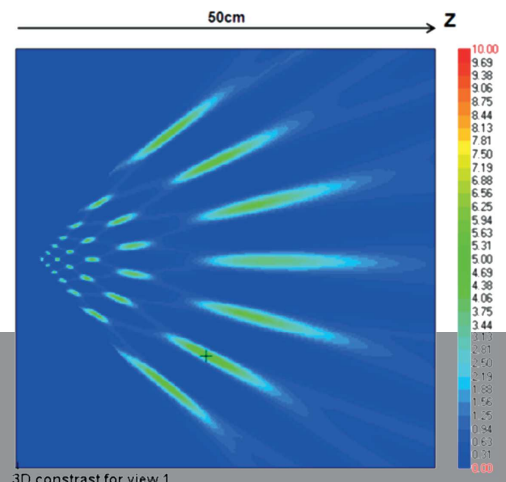


## APPLICATIONS

- Autostereoscopic 3D display analysis
- Any display analysis
- Polarization analysis as add-on
- Viewing angle analysis for QC or R&D

## FEATURES

- Viewing angle measurement
- Viewing angle aperture +/- 50°
- 3D display measurement
- Resolution: 0.03°/CCD pixel
- Optical resolution: <0.04°
- Computation of 3D display properties in the observer space, 3D Contrast crosstalk



3D contrast for view 1

MORE DETAILS

# TECHNICAL FEATURES

Specifications		VCMaster3D
Viewing angle	<i>Incident angle</i> <i>Azimuth angle</i>	±50° 0-360°
Measuring area	<i>Maximum diameter</i> <i>Other diameter (optional)</i>	4mm 2mm, 1mm, 500µm
Optimum distance	<i>Ensure light coming from same spot at any angle</i>	15mm
Accuracy	<i>Luminance</i> <i>Chromaticity (x,y) RMS</i>	±3% for any color stimulus ±0.003 for A type illuminant ±0.005 for any color stimulus
Performances	<i>Angular resolution pixel</i> <i>Angular optical resolution</i>	0.03°/CCD(*) <0.04°(*)
Color	<i>Standard</i> <i>Optional</i>	5 filters adjusted to the CCD response 8 filters adjusted to the CCD response
Sensor configuration	<i>Peltier cooled grade 1</i>	4000 x 4000 or 16M pixels
Luminance range	<i>Standard</i> <i>Optional</i>	0.001 to 2000Cd/m² up to 500 000Cd/m² with ND filters
Short-term repeatability	<i>Luminance</i>	±0.02%
Measurement time	<i>Luminance</i> <i>Color</i>	<10s <25s
Using condition	<i>Temperature range</i> <i>Humidity range</i>	0 to 30°C 0-85% non condensing

Specifications can be change without notice

(\*) The system's resolution must be considered according to the effective optical resolution.

## SIZES & PLAN DIMENSIONS VCMaster 3D DIMENSION (UNIT MM)

