CUBEX

ANGULAR MEASUREMENT FOR

Displays

R&D

Standards Compliance Tests

Mass Production

eldim

PRELIMINARY SPECIFICATIONS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

CUBEX

TECHNOLOGY		**Multi-spectral angular mapping**
MULTI-SPECTRAL SENSORS POSITION		**136**
WAVELENGTH		**390-730 nm**
VIEWING ANGLE	Incident Angle Azimuth Angle	**±60°** **0-360°**
WORKING DISTANCE		**12.5 mm**
SPOT SIZE		**12 mm**
HIGH RESOLUTION SPECTROMETER	Type On axis spectrometer Resolution On axis spectrometer Optical Resolution	**On-axis** **2 nm** **10 nm**
PERFORMANCES	Angular map resolution Angular Accuracy Luminance Range	**1°** **0,1°** **0.1 - 100 000 Cd/m²**
ACCURACY	Proximity sensor / Setup accuracy Chromaticity (x, y) Accuracy Chromaticity (x, y) Repeatibility Luminance Accuracy Luminance Repeatibility	**3 TOF sensors / 0.5° tip & tilt accuracy** **0.002 for A Type illuminant** **0,0001** **2%** **0,02%**
TAKT TIME	Measurement (full map)	**< 2s typical**
USING CONDITIONS	Ethernet Wifi & USB Temperature range Humidity range Weight Outer Dimension (L x W x H)	**1 Gbit/s** **Yes** **10°C to +40°C** **0 to 85% non condensing** **6.35 kg** **165mm x 165mm x 150mm**

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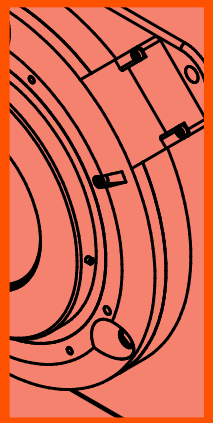
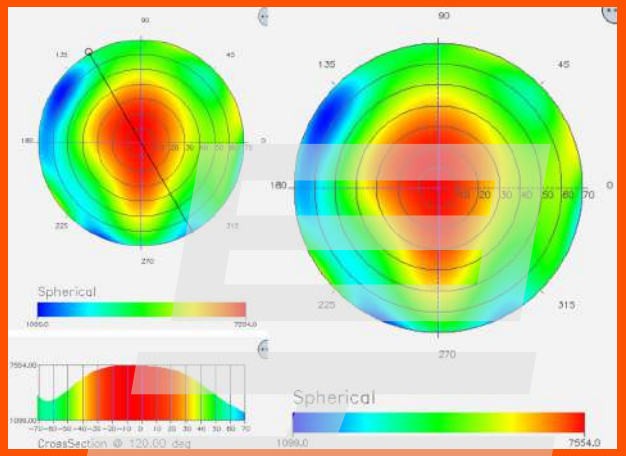
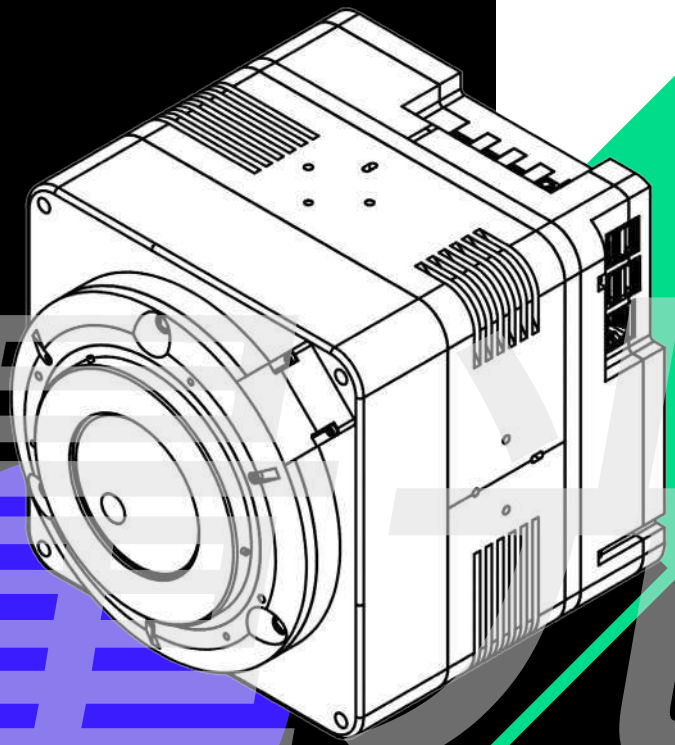


MULTI ANGLE SPECTRAL MEASUREMENT

Over 130 points measured in 0.5 s

With 0.002 color accuracy



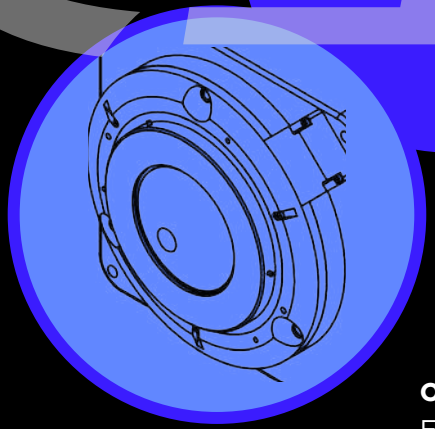


With a combination of a 12.5mm working distance and proximity sensors imbedded in this system, it is very safe to add this model on any kind of mass production line.

The measurement takt time of that equipment is less than 2 seconds, and all the data can be transferred by an ethernet cable or WIFI. This equipment is customizable, up to ≈6-10 spectral measurement points at different angles of incidence and azimuth, depending on the case and customer demand.

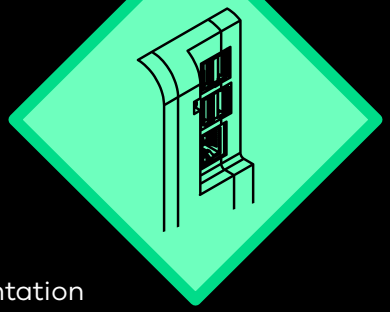
CubeX comes with a simple web user interface available through web browser for various support (PC, tablet, smartphone).

Dedicated API is also provided to allow customer's own programming.



PROXIMITY SENSOR

Working distance safety



COMPACT

Easy implementation

Perfectly adapted to mass production

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