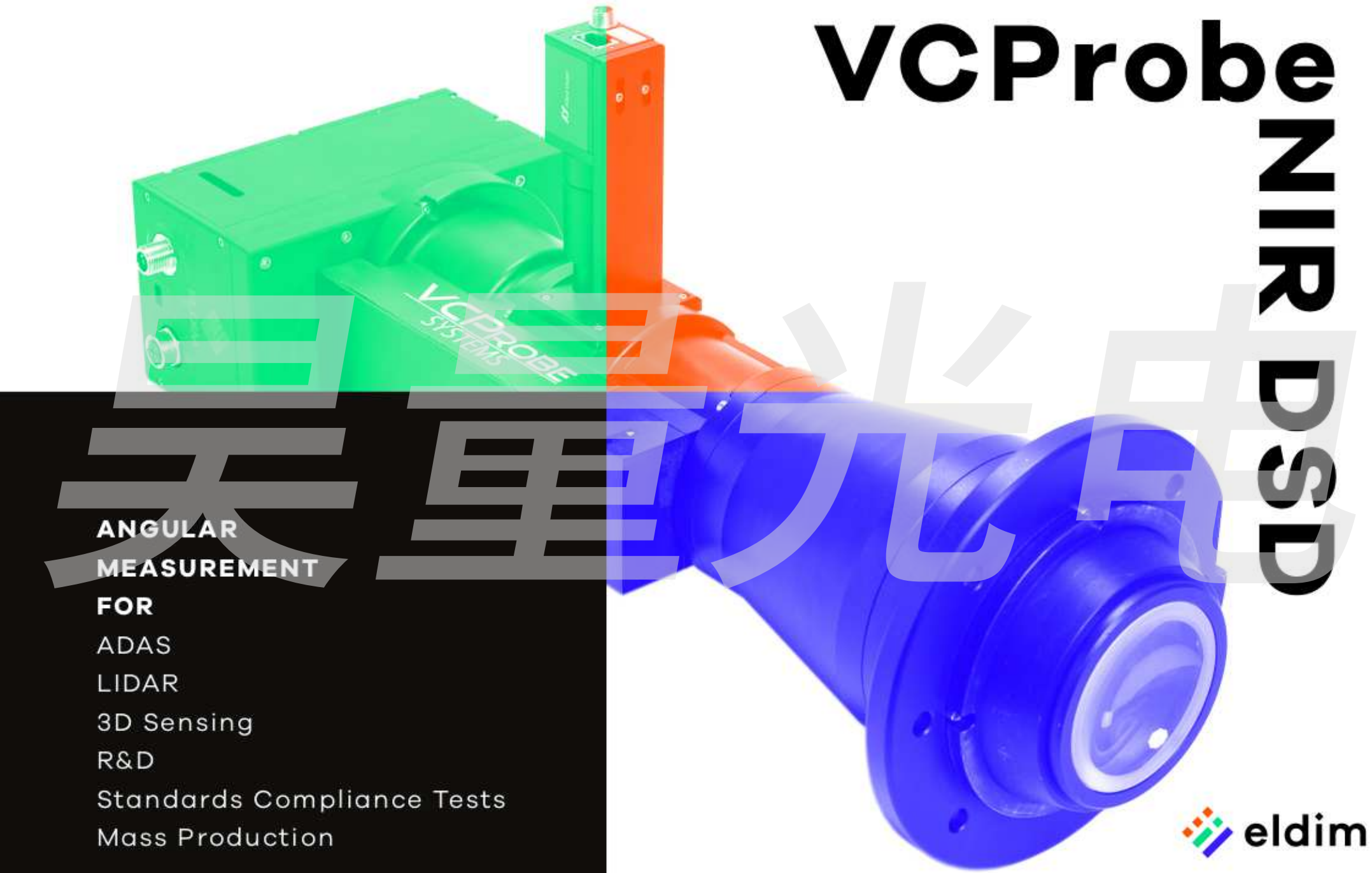
VCProbe NIR DSD



ANGULAR MEASUREMENT FOR

ADAS
LIDAR
3D Sensing
R&D
Standards Compliance Tests
Mass Production

eldim

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SPECIFICATIONS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

VCProbe NIR DSD

WAVELENGTH		Calibrated at 850 nm - 905 nm - 940 nm
VIEWING ANGLE	Incident angle Azimuth angle	±32° 0-360°
WORKING DISTANCE		40 mm
PERFORMANCES	Optical resolution Linearized data	0.03° 2801*2801 pixels
FOCUS DISTANCE		1000mm*
ACCURACY	Radiance (W/sr/m²) Power (W)	±2% ±1%
TAKT TIME	Exposure time Processing Transfer time	300ms - 30s Less than 1 s
USING CONDITIONS	Temperature range Humidity range	10°C to +40°C 0 to 85% non condensing

*Focus distance can be optimized on demand towards infinity

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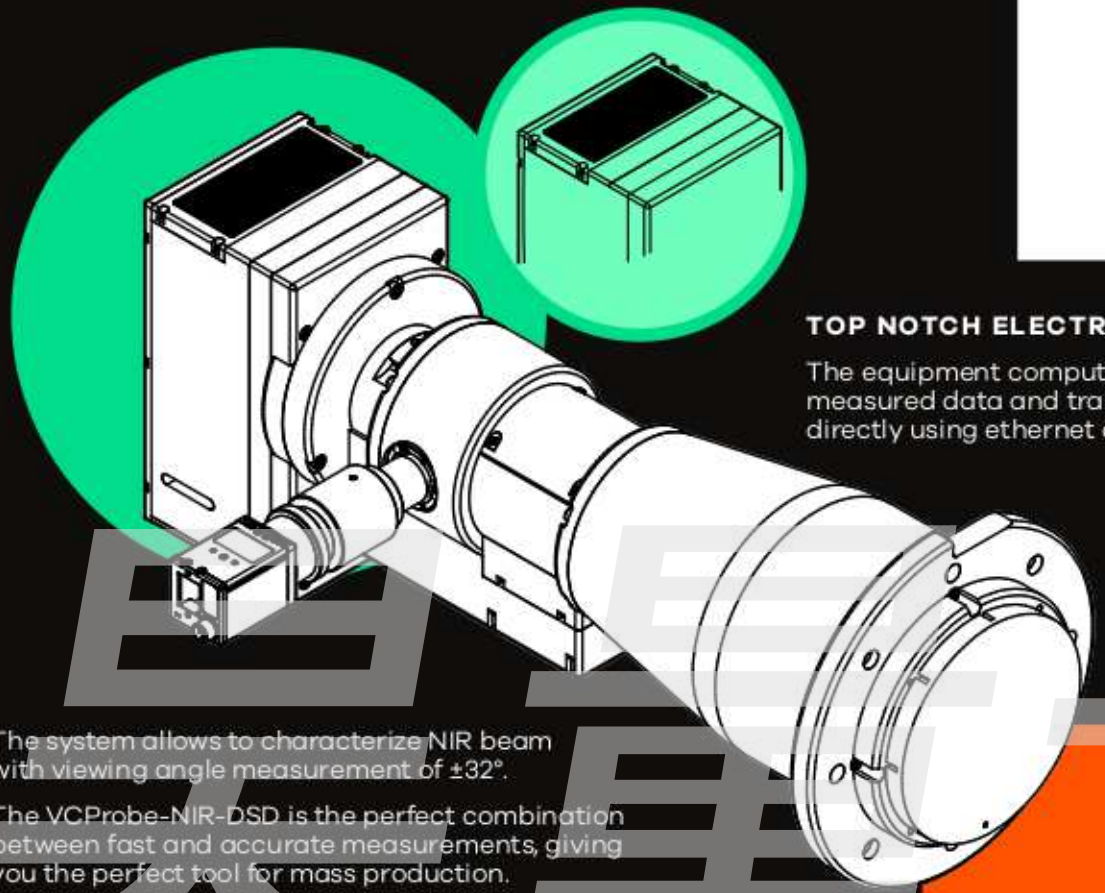


TOP NOTCH ELECTRONICS

The equipment computes the measured data and transfer it directly using ethernet cable.

HIGH END OPTICS

Technology adapted for ADAS, LIDAR, 3D Sensing

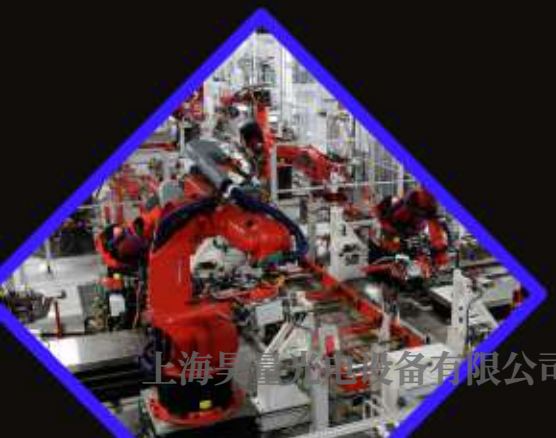
Comply with self-driving car safety regulation

The system allows to characterize NIR beam with viewing angle measurement of ±32°.

The VCProbe-NIR-DSD is the perfect combination between fast and accurate measurements, giving you the perfect tool for mass production.

We can adapt our equipment to customer request such as optimized systems for autonomous driving on long range LiDAR at 1400 nm.

VCProbe NIR comes with a dedicated API to allow customer to drive the equipment according to his need.

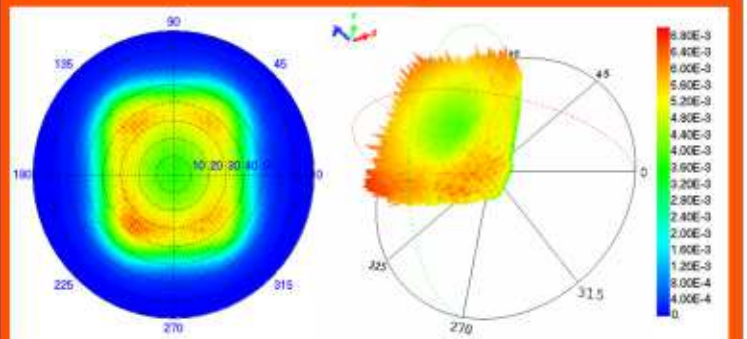


SUITED FOR MASS PRODUCTION

Light weight

High durability tests and repeatability

Designed to be operated on production lines.



VCSEL Angular Measurement Plot

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