

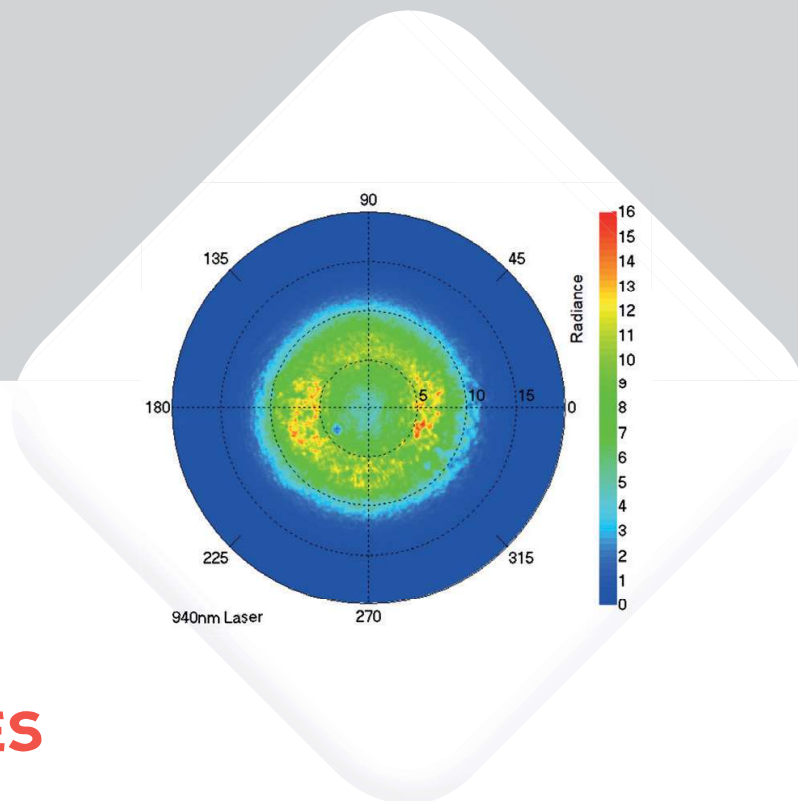
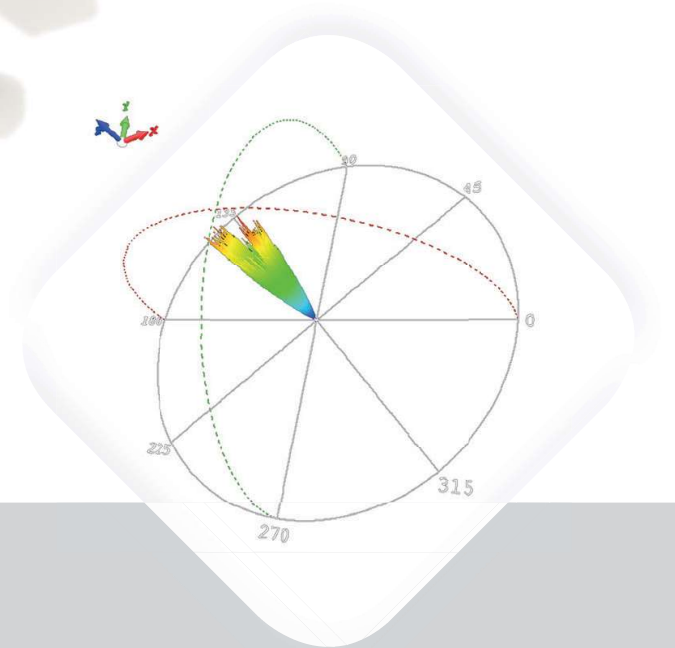
VIEWING ANGLE NIR

# VCPROBE-NIR-DSD



## OVERVIEW

**VCProbe-NIR-DSD** is an optical measuring instrument dedicated to the measurement of angular characteristics of NIR light sources. With an angular aperture of  $\pm 40^\circ$  and excellent angular resolution, it measures in real time a full map of any NIR source with a long working distance at 30mm. This equipment is designed to characterize precisely LIDAR and VCSEL components.



## FEATURES

- NIR viewing angle system
- Wavelength calibrated at 850nm - 905nm - 940nm
- Working Distance : 30mm
- High Accuracy and reliability
- High speed measurement

## APPLICATIONS

- For automotive (self driving car)
- For mature & innovative technologies : LIDAR, Flash LIDAR, LASER Diode, VCSEL
- For R&D and mass production/QC
- For 3D sensing & Imaging

MORE DETAILS

# TECHNICAL FEATURES

Specifications		OFScope
Wavelength	Intensity (absolute)	Calibrated at 850 nm - 905 nm - 940 nm(*)
Performances	Optical resolution	0.05°
Accuracy	Radiance (w/str/m²)	±2%
	Power (watt)	±1%
Measuring area	Entrance pupil	4 mm
Takt time	Absolute radiance	70ms - 500ms programmable Average possible in camera
Working distance		30 mm
Viewing Angle	Incident angle	±40°
	Azimuth angle	0-360°
Using condition	Temperature range Humidity range	10°C to +40°C 0 to 85% non condensing

(\*) Other wavelength on request

Specifications can be change without notice

## Options

NIR emitter pulse synchronization, rate and width measurement

Temperature stabilized sensor

Viewing spot for automated positioning

Build your own mass production system for all kind of sources, Vcsels, Lidar...

## SIZES & PLAN DIMENSIONS

VCProbe-NIR-DSD OUTER DIMENSION (UNIT MM)

