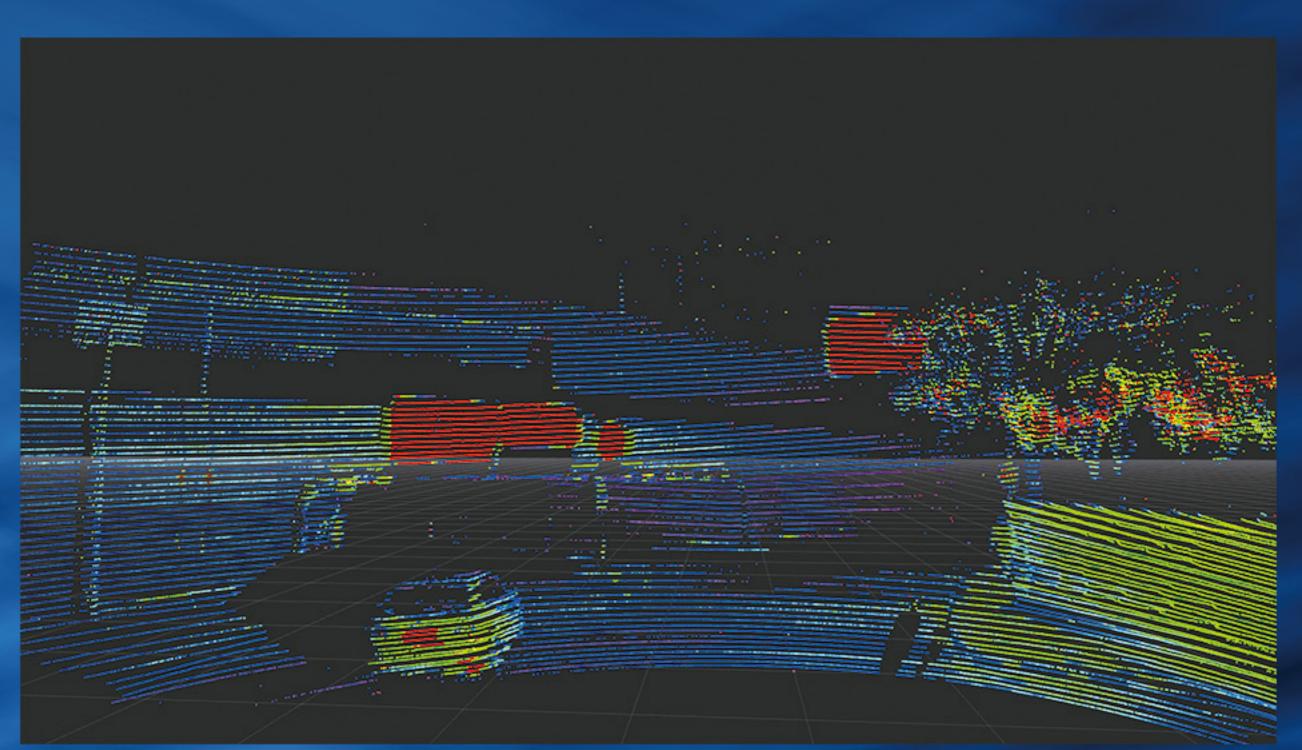


AUTOMOTIVE PHOTONICS APPLICATION SOLUTIONS





LiDAR with Focuslight's BeamRazor™ 905 nm Line Laser Transmitter

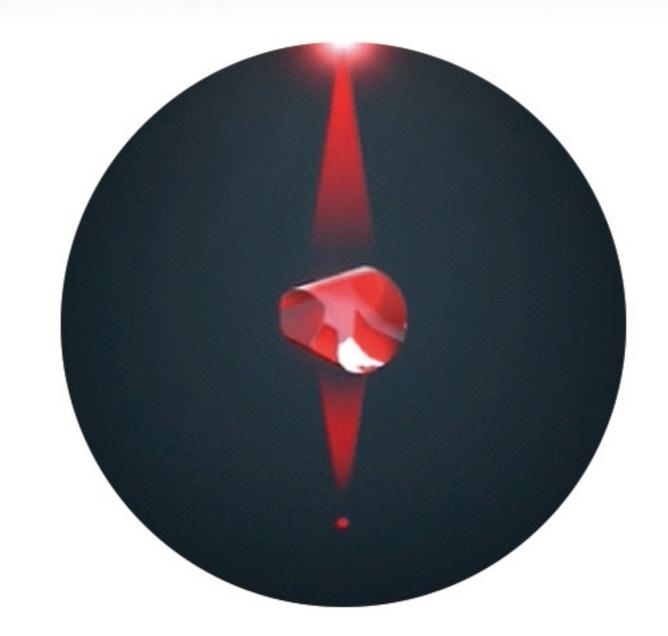


LiDAR Point Cloud Map*

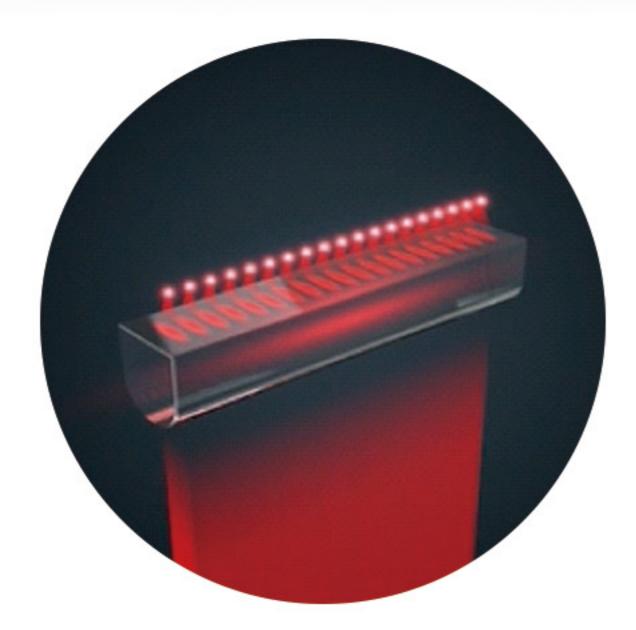
*Courtesy of Tanway Technology



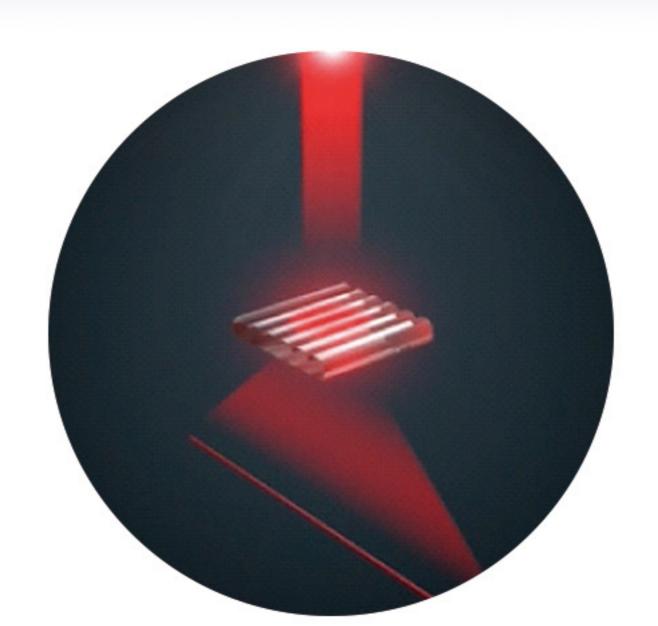
Beam Shaping



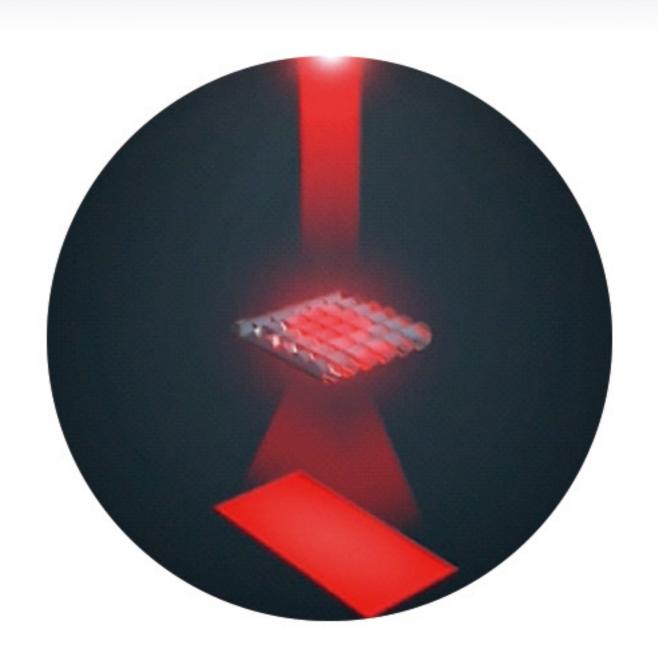
Focusing and Coupling



Collimation of Single Emitters and Bars



Line Beam Shaping with Angles > 100°



Homogeneous Rectangular Illumination

Optical Assemblies for LiDAR Transmitters

Optical FAC Diffuser SAC **Assembly** High index, thinner & Applicable for nanostacks Automotive-grade Achievable FOV: 160° x Long EFL design: 1.5 mm, lighter upon premium optical assembly for 120°, 60° x 45°, etc. collimation performance 3.0 mm, 7.7 mm LiDAR applications Pure glass-made, high Fully customizable Collimated angle < 0.1°, Excellent optical reliability, qualified for remaining divergence: 92% | coating durability for automotive applications wide bandwidth power output within the given angle approved

Line Beam Transmitter

LE02 Pro	LX02
 > 700 W peak power, 905 nm wavelength Line beam collimation, divergence angle < 0.15° FOV @slow axis (vertical) 25° or 11°, or customizable 	 VCSEL based, line beam uniformity > 80% Peak power > 1000W @ < 5ns short laser pulses Line horizontal divergence < 0.15°

Flash LiDAR Transmitter

AL01	AX02 Pro	AT02 / AT02 Pro
 FOV 125° x 25° or 60° x 45° 1.5 mJ energy @1064 nm in < 10 ns, 30 Hz Automotive-grade module 	 FOV 125° x 25° or 60° x 45° Peak power > 700 W, short pulse < 5ns 	 DMS VCSEL illuminator, wide field of view up to 160° Optional FOV 160° x 120° or 60° x 45°, etc. Standard package 3235

COMPANY INTRODUCTION

Founded in 2007 and headquartered in Xi'an, China, Focuslight Technologies Inc. is a fast-growing public company (SSE Star Market: 688167) that develops and manufactures high power diode lasers (photon generation), laser optics (photon control), and photonics modules and systems (application solutions) with a focus on automotive, pan-semiconductor, and medical & health application solutions. In 2017, Focuslight successfully acquired LIMO GmbH, and completed the brand unification in January 2022. In January 2024, Focuslight acquired SUSS MicroOptics (now as Focuslight Switzerland). Focuslight owns over 400 patents worldwide and is ISO 14001, ISO 9001, and IATF 16949 certified. Additional information can be found at www.focuslight.com.