

Nanoimprint Div. Senior Chief Engineer

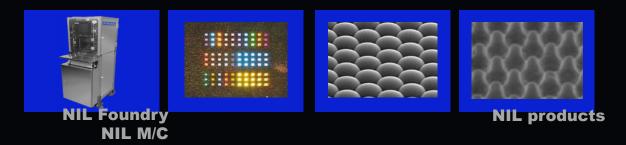
Dr. Tomonori Nakamura

Scivax Sensing Optics for DMS/LiDAR

SCENCE MAMIZ

ATION

Ultrafine processing based on Nanoimprint Lithography

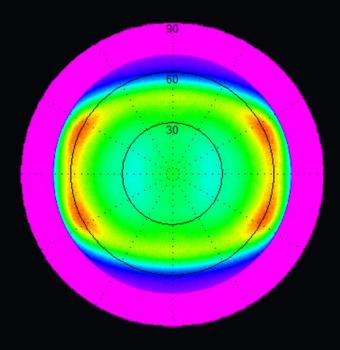


Nanoimprint + Advanced optical design

THE BEST OPTICS FOR AUTOMOTIVE!

THE BEST FOR DMS

FOI: 140°x110°

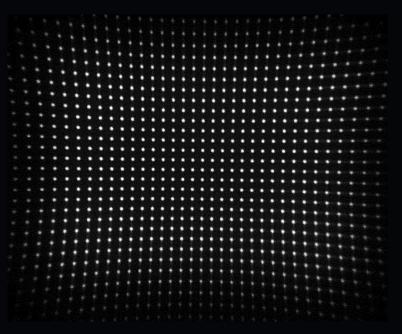


Platanus® Hybrid diffuser

No interference Flexibility for light Low height of package

THE BEST FOR LIDAR (FLASH)

FOI: 60°x45° Dot #: ≒1000

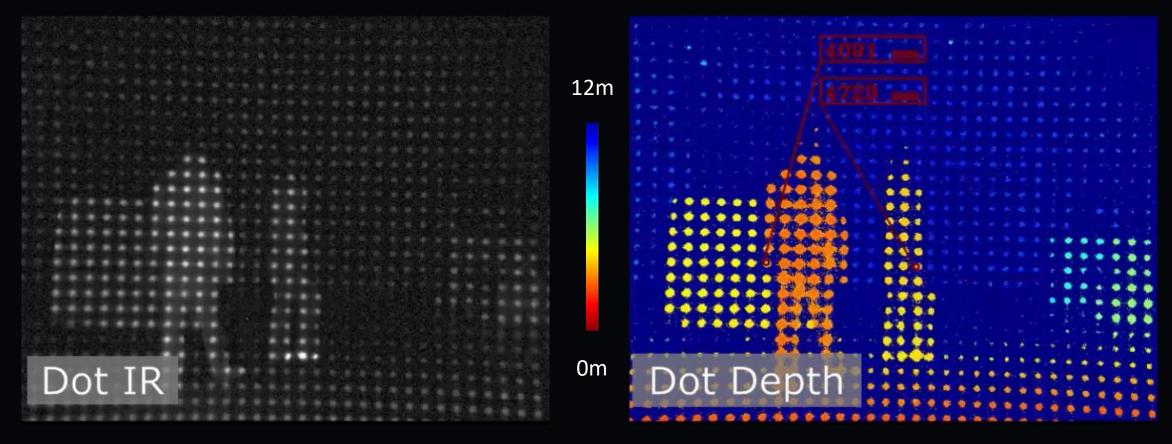


Ardisia® Hybrid dot projector

No limit of dot power Flexibility for light Low BOM cost



10m depth image taken by Ardisia module (FOI : 60°x45°) (Out-cabin)

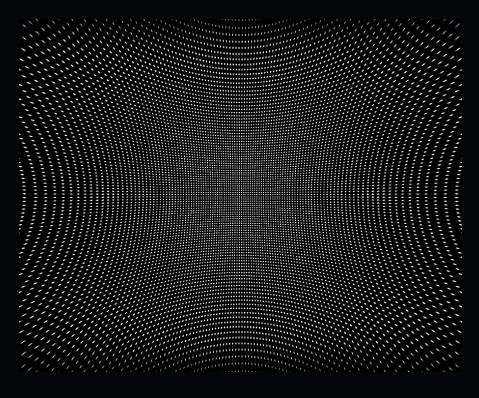


Optical output power: 2W

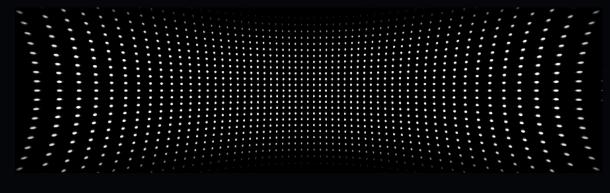
Expected range: over 30m at 10 W

Future Plans

Long range DMS



Longer range flash LiDAR



High aspect (110°x14°)

Wide and high dot density

If we attract your interests, we welcome you. Because we are friends!