

JT128

Mini Hyper-Hemispherical 3D Lidar



Hyper-Hemispherical Sensing

360° x 187° ultra-wide FOV



High-Resolution 3D Detection

128 vertical channels



Miniature Size

30 mm exposed window height



60 m Detection Range

10,000 m²+ detection coverage



Blockage Detection

Cover lens contamination & rain drops detection

SPECS

RANGING CAPABILITY

30 m @10% reflectivity,
up to 60 m

DIMENSIONS
(DIAMETER X HEIGHT)

Φ 60 x H 68 mm

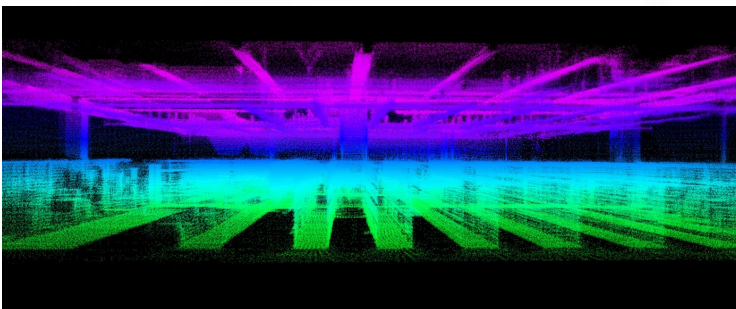
FOV

360° (H) x 187° (V)

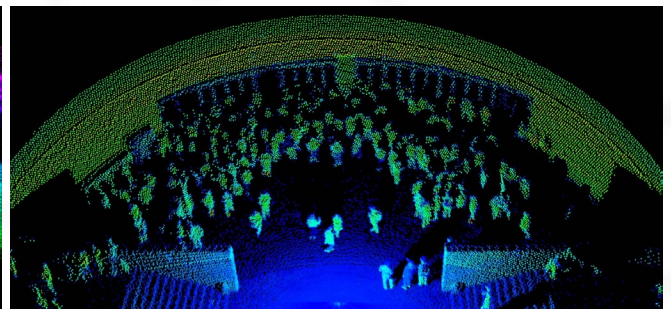
WEIGHT

250 g

POINT CLOUD



JT128 SLAM Performance



JT128 Live Demo

APPLICATIONS



Stationary Application

Delivery Robot

AGV/AMR

Service Robot

PRODUCT HIGHLIGHTS

COMPACT DESIGN FOR SEAMLESS INTEGRATION

30_{mm}

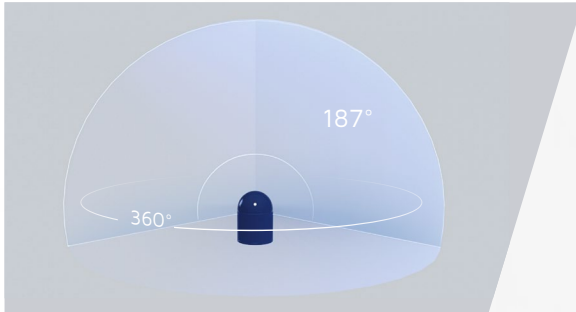
Window Height
Embedded installation

30% ↓

Diameter
Compared with
similar products

70% ↓

Volume
Compared with
similar products



WORLD'S WIDEST HYPER-HEMISPHERICAL FOV

360° x 187°

Ultra-wide FOV

60% ↑

Wider than similar products

REAL-TIME COVER LENS SELF-INSPECTION

99.9%

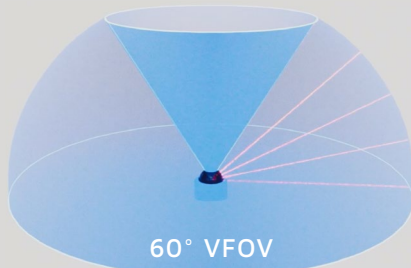
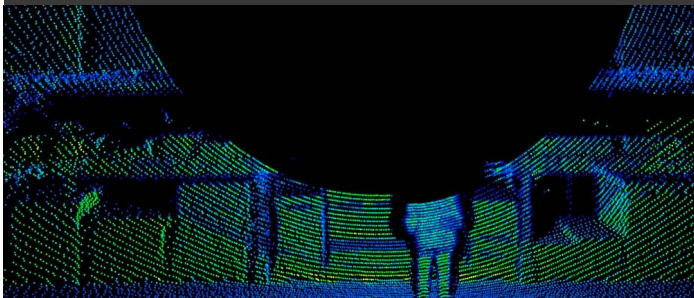
Noise Filtering

- Contamination detection
- Rain drops detection



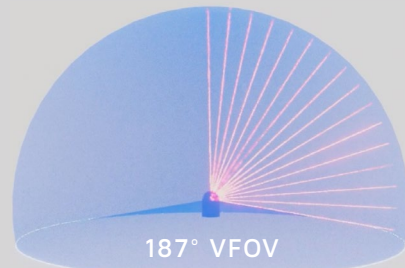
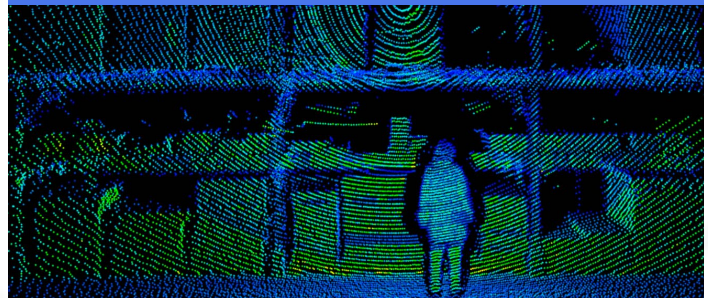
WIDER VIEW, STRONGER ENVIRONMENTAL PERCEPTION

OTHER WIDE-FOV LIDAR (WITH BLIND SPOTS)



60° VFOV

HESAI JT128 (NO BLIND SPOTS)



187° VFOV

