

JT16

16-Channel Mini 3D Lidar



Miniature Size

75% volume reduction,
flexible installation¹



Ultra-Lightweight

Lightweight materials,
< 200 g



Energy-Efficient

35% reduction
in power consumption,
longer duration²



Affordability

Lower cost,
higher performance



Blockage Detection

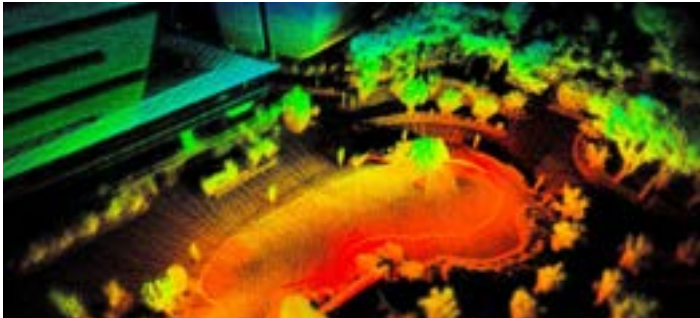
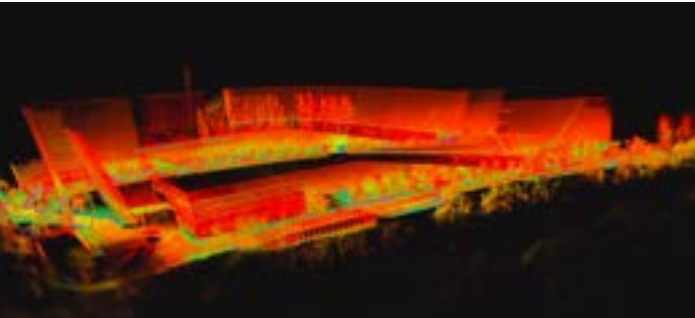
Real-time cover
lens self-inspection

1. Compared with previous-generation 16-channel lidar
2. Compared with similar products

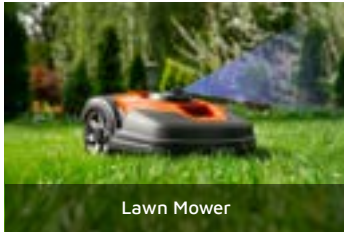
SPECS

RANGING CAPABILITY	30 m @10% reflectivity, up to 100 m	DIMENSIONS	Φ 55 x H 64 mm
FOV	360° (H) x 40° (V)	WEIGHT	< 200 g
RESOLUTION	0.6° (H) x 2.67° (V)	NOISE LEVEL	< 30 dB
PRECISION	3 cm	POWER CONSUMPTION	4.3 W

SLAM POINT CLOUD



APPLICATIONS



Lawn Mower



AMR



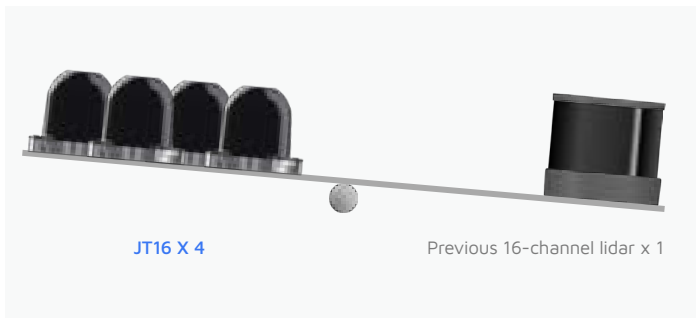
AGV



Service Robot

PRODUCT HIGHLIGHTS

SMALLER & LIGHTER



JT16 X 4

Previous 16-channel lidar x 1

< 200 g, 75% Lighter Compared with Previous 16-Channel Lidar

- Miniature size, flexible installation
- Ultra-lightweight with advanced polymer composites
- Advanced lidar architecture design, innovative optical-mechanical structure

CALIBRATION FREE



Integrated Pre-Calibrated System

- Built-in IMU: cost saving
- Optimized algorithm: synchronized output of calibrated data

REAL-TIME COVER LENS SELF-INSPECTION



Intelligent Waveform Processing Engine

- Contamination detection
- Rain drops detection

Hesai Technology

GLOBAL OPERATIONS CENTER

Building A, No. 658 Zhaohua Rd.,
Changning District, Shanghai

US OFFICE

3500 W Bayshore Rd.,
Palo Alto, CA 94303

EUROPEAN OFFICE

Charles-Lindbergh-Platz 1,
71034 Böblingen, Germany

CONTACT US

sales@hesaitech.com
+86 400-805-1233 (China)
+1 650-655-7837 (US)



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