

# Model D-P8F2B1DAF-RPXC

## Overview



LDI™ mainly integrates key components such as high-power 3D structured light, intelligent cameras, control modules, and anti-interference connectors. Using high-power line laser as the core technology for 3D detection in various long-distance scenes.

Unlike traditional 3D inspection in the 3C industry and the mobile phone industry, LDI™ is mainly used for high-precision inspection from 1m to 3m distances. Because the laser power is very high (up to 50W), it can meet the requirements of high-speed, high-resolution and anti-direct sunlight. At the same time, the unique laser technology of WPL can improve the delicacy of 3D modeling images, so as to carry out 2D recognition under 3D models with high precision.

LDI™ integrates a high-speed intelligent 3D camera internally, which can output real-time 3D coordinate point cloud data. Users can remodel and identify algorithms based on the data.

## Characteristics

High power line structured light meets long-distance 3D detection.

The high protection level shell is suitable for various complex working conditions.

Unique laser processing technology can obtain high-precision images.

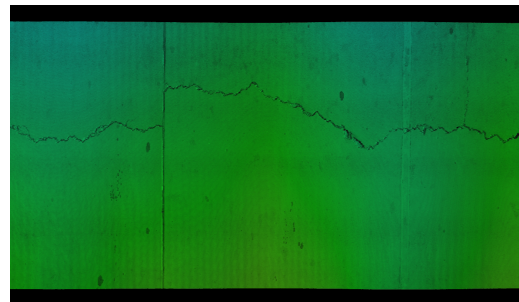
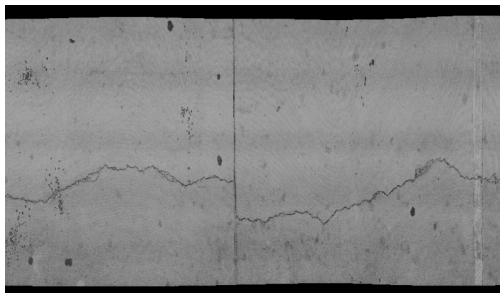
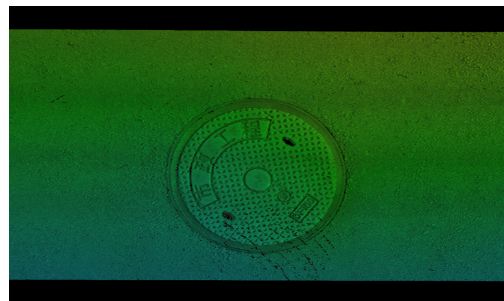
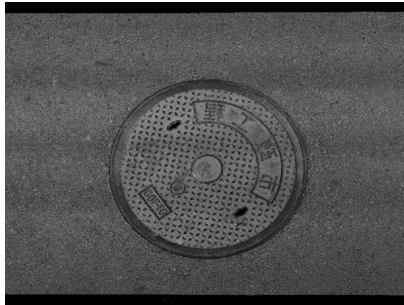
## Main Parameters

Parameter	Unit	Typical Value
Working Distance	mm	1200-2000
X-Direction	mm	≤1000
X-Direction Accuracy	mm	≤0.4
Z-Direction Accuracy Voltage	mm	≤0.09
Z-Direction	mm	≤300
Velocity	Km/h	≤120
IP Grade	-	IP67

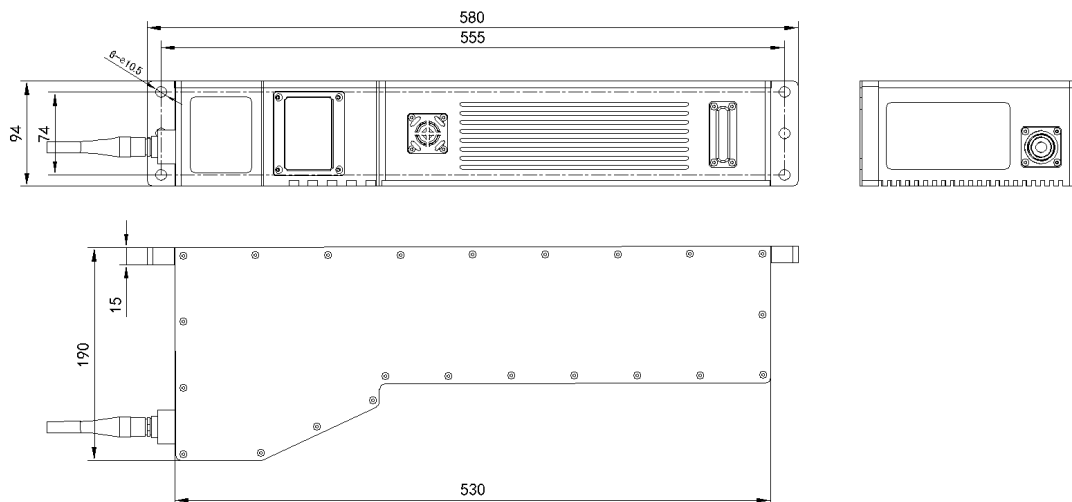
## Main Parameters

Parameter	Unit	Typical Value
Ambient Temperature	°C	-20~+60
Dimension	mm	530*190*94
Overall Weight	Kg	5

## Application Display



## Dimensions (mm)



## Caution

1. Please keep the laser emission port unobstructed and avoid eye exposure to the laser directly.
  2. Please do not plug or unplug laser power plug with electricity to prevent laser breakdown.
  3. Please contact the manufacturer promptly in case of any malfunction.
- Do not disassemble it to avoid damaging internal precision components.

