



# AI150 series

## Small Fixed Mount Barcode Reader

SCANTECH ID<sup>®</sup>  
CHAMPTEK Group

### Introduction

The SCANTECH ID AI150 fixed-mount barcode reader is compact in size and equipped with a high-quality 1-megapixel CMOS image sensor, capable of capturing high-quality images at 45 frames per second. It integrates patented liquid lens technology to achieve auto-focus functionality, making configuration more convenient. The professional LED light source design provides more uniform illumination and high image uniformity, resulting in excellent performance for reading DPM (Direct Part Marking) codes.

With its outstanding optical, algorithmic, and electronic design, combined with a compact body, the AI150 can easily meet the barcode reading requirements of industries such as electronics manufacturing and traceability. Moreover, its small size effectively solves the problem of limited installation space on-site, greatly improving work efficiency.

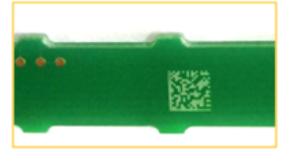
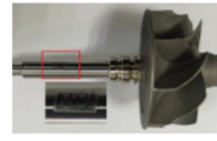
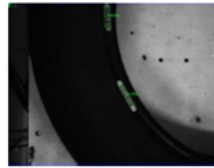
### Features

- Small size, space-saving and easy to install
- High-speed autofocus by patented liquid lens (optional) -  
Improve hardware installation efficiency
- Superior performance in decoding DPM codes
- Excellent code reading capability
- IP65 sealing protection
- Multiple status indicators for daily status observation
  - Power supply indication and output status
- Rich interfaces, easy to connect to various devices
  - Ethernet, RS232 serial port, USB analog serial port and keyboard
- Flexible and easy-to-use software, support various configuration methods

# AI150 Series

## Typical application

- Manufacturing automation
- 3C, home appliances
- Pharmaceuticals
- Packaging industry
- Semiconductors
- Automobile industry



## Specifications

Model	AI50-C	AI50-L
Auto-focus	Fixed Focus at 38~250mm(default)	Supported
Image resolution	1M Pixels	500,000 Pixels
Reading frequency	45Hz	
Aimer	Red Light LED	
Illumination	Red Light LED	
Status output	Buzzer, Good read and power LED indicator	
Reading symbology	2D- QR、Micro QR、Data Matrix、PDF417、Micro PDF417	
	1D- CODE39、CODE128、CODE93、CODE11、CODABAR、Interleaved 25、Matrix25、MSI、Standard25、UPC、EAN	
Scan triggering	1 channel photoelectric isolation acquisition trigger signal input	
IO Output	2 channels of photoelectric isolation output	
Communication	RS232 or Ethernet or USB	
Sealing Protection	IP65	
Working temperature	0 - 50°C	
Storage temperature	-20 - 70°C	
Dimension	40x32x24mm	
Weight	Approx. 60g	
Working voltage	10 - 28V DC	
Working current	1.2 - 0.6A	
Certificate	CE FCC RoHS	