BIC-251 series

Main Features

- Quick response time to offer accurate data
- Easy to remote management and upgrade by IP address
- Excellent low-light and bright-light performance
- Compact size to install

Product Overview

NEXCOM introduces a new series of 3D cameras based on time-of-flight (ToF) technology for various business intelligence applications. The 3D ToF camera is a cost-effective, mechanically compact depth imaging solution designed to capture clear and consistent images in environments with varying illumination. The quick response time (signal between sensor and subject travels at speed of light) of the BIC series 3D cameras can provide accurate data for various intelligent applications such as retail analytics, people counting, cargo dimension scanning and many more.

Retail Store

3D ToF camera can count visitors as soon as they enter the store. It can also provide information on which shopping aisle has the most in-store traffic, offering retail owners accurate data to benchmark sales performance. In addition, with Wi-Fi (beacon) support, retail owners can send promotional messages to visitor's cell phone to engage them on a personal level and increase purchase intent.

People counting

3D ToF camera can count all the visitors entering and staying in buildings, such as retail analytics and queue/building management. It can also be used in security applications for retail, shopping malls, hospital, banking, and airport.

Industrial safety for factory operation

If a person or object nears or enters restricted area within a production facility, 3D ToF camera can detect and feedback data to stop robotic or other production equipment immediately. 3D ToFcamera is a cost-effective solution to ensure a safer working environment.
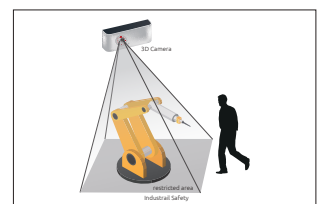
Specifications

Model Number	BIC-251	BIC-252	BIC-253	BIC-254
Camera				
Sensor array	1/3" 3D Sensor			
Lens	3.6mm F1.2	2.8mm F1.2	3.6mm F1.2	2.8mm F1.2
Field of View	77°	98°	77°	98°
Lighting	IR-LED			
Depth range	Up to 4M	Up to 3M	Up to 4M	Up to 3M
Imaging				
Resolution	320 x 240 (QVGA) @ 30 fps			
Video Data	12 bit video RAW data for Depth (Phase/ Amplitude)			
Network				
Interface	10M/100M Ethernet, RJ-45		None	
WiFi (optional)	IEEE802.11b/g/n		None	
Protocol	HTTP, HTTPS, TCP/IP, UDP, FTP, SMTP, DHCP, DNS, DDNS, uPnP,IPv4/v6,SNMP		None	
I/O				
USB	None		USB (for ODM request only)	
Power Indicator	LED (RED when power is ON)			
Power	PoE+(IEEE802.3at), DC12V/2A)		DC12V/2A	
Power consumption	11 W Typ.		8 W Typ.	
Default	Default setting button			
General				
Dimension	155 mm(L) x 68 mm(W) x 35 mm(H)			
Weight	310g			
Operating Temperature	0°C ~ +40°C			
Humidity	10% ~ 90%			
Application	SDK available for application development			

I/O

BIC-251, BIC-252

BIC-253, BIC-254(for ODM request only)
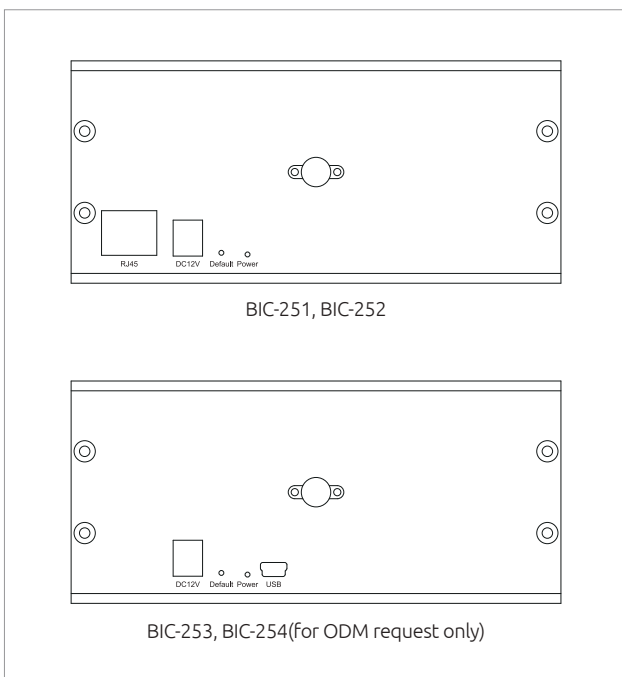
Dimension Drawing
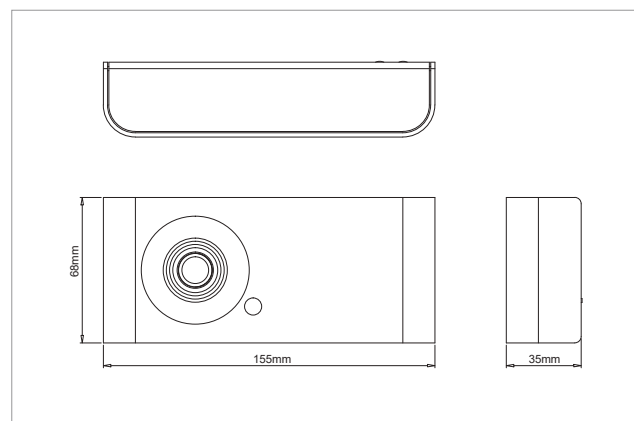
Ordering Information

- ◆ BIC-251 / BIC-251-W
- ◆ BIC-252 / BIC-252-W
- ◆ BIC-253
- ◆ BIC-254

Accessories