



IG620

General Purpose Area Imager Barcode Scanner

SCANTECH ID[®]
CHAMPTEK Group

Introduction

IG620 is a brand new general purpose handheld area imager bar code scanner which is designed especially for retail, logistic and health care management market. We include friendly functions with replaceable multiple interface cable options that makes it more easily to be operated by customers to accommodate it to user environments.

IG620 supports with up to 300mm reading depth of 1D and 2D barcode, its scan rate is 60 images per second. Based on CMOS technology for optimal image sensitivity and dynamic range, the IG620 features scanning speeds two times faster than traditional 2D imagers.

In short, IG620 is a high performance handheld area imager scanner provides customers the most cost-effective solution in the market and perfectly suitable and definitely the best choice for any retail, logistic and health care management environment.

Features

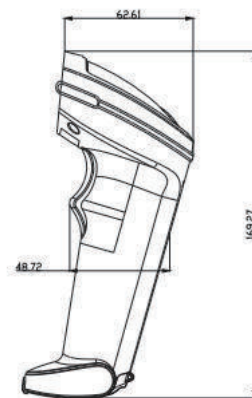
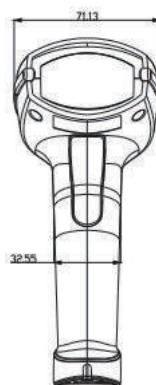
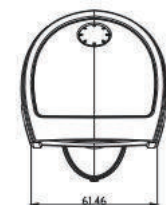
- Supports 1D and 2D barcode scanning with up to 300mm reading depth.
- Support automatic detection and wake-up reading mode.
- Supports 1.5m dropping resistance.
- 3 in 1 Combo Interface, changes Interface by replacing cable.
- A stand option can be ordered to facilitate hand-free reading options.

IG620

Reading Range

Barcode	Depth of field
4 mil Code 39	40~70 mm
5 mil Code 39	40~90 mm
6 mil Code 39	50~100 mm
10 mil Code 39	50~230 mm
13 mil Code 39	50~250 mm
20 mil Code 39	50~300 mm

Barcode	Depth of field
10 mil QR Code	45~70 mm
20 mil QR Code	50~170 mm
10 mil PDF417	35~150 mm
20 mil PDF417	80~255 mm
13 mil Data Matrix	35~60 mm
20 mil Data Matrix	50~100 mm



Specifications

Physical Characteristics

Body weight	ApApprox. 120g
RS232 Cable weight	Approx. 123g
USB Cable weight	Approx. 67g
AC adaptor	Approx. 109g
Dimension	71.13 mm W x 62.61mm H x 169.27 mm L
Material	ABS Plastic and Rubbe
Connector	RJ 45C 10Pins

Performance

Light source	Visible red light 625 ± 5nm LED
Resolution	752 (H) x 480 (V) pixels
View of field	Horizontal - 40°, Vertical - 25°
Scan rate	60 fps (at full resolution)
Interface	RS-232, USB (HID KBW or Virtual comport)
Indicators	Green = good read, and beep

Electrical Characteristics

Interface	RS232	USB(HID KBW)
Supply Voltage	DC Adaptor	USB Power DC +5V 5%
Current Draw		±10%
Stand by (Typ.)	180 mA	180 mA
Operation (Typ.)	360 mA	360 mA

Environmental

Operating Temp.	0°C to 50°C (32°F to 122°F)
Storage Temp.	-20°C to 70°C (-4°F to 158°F)
Relative Humidity	20% to 95% (Non-condensing)
Ambient light	100,000 Lux Max. (Sunlight)

Reliability

Life Time	
Trigger Switch	1,000,000 times
MTBF(Calculated)	50,000 hours

Thermal Shock

High Temp.	50°C (122°F)
Low Temp.	-20°C (-4°F)
Cycle time	30 minutes for high temp., 30 minutes for low temp.
Cycles	24 cycle

Cable Bending Test	25,000 times minimum (30 times/min@500g/90°)
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Drop resistance	59.05 inches(150cm) drop on concrete surface
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Readable Symbolologies

1D Symbolologies
EAN/UPC, UCC/EAN128, ISBN, ISBT, Code 39, Code 93/93i, Code 128, Interleaved, Standard 2 of 5

2D Symbolologies
Data Matrix, PDF 417, Micro PDF 417, Maxicode, QR code, Aztec, Han xin code, MicroQR code

Due to Champtek's / Scantech ID's continuing product improvement programs, specifications and features are subject to change without notice.