INDUSTRIAL BARCODE SCANNER
IBC-200 SERIES

 comtronix

1D/2D CMOS Imager, Omnidirectional Reading, IP54 Dust & Water Protection, Auto-Barcode Sensing technology, 5ft Multiple drops to concrete, USB, RS232 interface

Low Power	Aggressive Read Performance	IP54 Dust/Water Protection	Wide Temp	5ft Drops to Concrete

FEATURES

- Omnidirectional Reading
- Reads 1D, 2D and postal codes, stacked and composite codes
- Auto-barcode sensing technology
- Multi-interface support: USB-HID, USB-VCP, RS232
- Water and Dust Sealed Rating: IP54
- 5ft multiple drops to concrete
- Wide range operating temperature supported

DECODING CAPABILITY

1D / Linear Codes	Auto discriminates all standard 1D codes including: GS1 Databar™ linear codes
2D Codes	Aztec Code, Data Matrix, MaxiCode, Aztec Code, Data Matrix, MaxiCode, Micro QR Code, QR Code
Postal Codes	China Post, Postnet
Stacked Codes	EAN/JAN Composites, GS1 Databar Composites, GS1 DataBar Expanded Stacked, GS1 DataBar Stacked, GS1 Databar Stacked Omnidirectional, MacroPDF, MicroPDF417, PDF417, UPC A/E Composites

ELECTRICAL

Current	Operating (Typical): 270mA @ 5V DC
	Standby/Idle (Typical): 50mA @ 5V DC
Input Voltage	3.3V ±10%

ENVIRONMENTAL

Ambient Light	0-100,000 lux
Drop Specification	Multiple 5ft drops to concrete
Humidity	5% to 95% (non-condensing)
Dust & Water Protection	IP54
Operating Temperature	-20°C ~ 55°C (-4°F ~ 131°F)
Storage Temperature	-40°C ~ 80°C (-40°F ~ 176°F)

INTERFACES SUPPORTED

Interfaces	USB Multi-Interface USB-HID, USB-VCP, KBW-HID, RS232

READING PERFORMANCE

Image Sensor	Wide VGA 752 x 480	
Light Source	Red Aiming, LED 622nm±10nm	
Print Contrast Ratio (Minimum)	25%	
Read Angle	Pitch: ±55°; Tilt 360°, Skew ±55°	
Reading Indicators	Beeper (adjustable tone and volume)	
	Good Read LED	
Resolution (Minimum)	High Density 1D Linear (Code 39)	5mil
	Data Matrix	8mil
	PDF417	7mil
	Standard 1D Linear (EAN-13)	5mil

MECHANICAL SPECIFICATIONS

Color	Gray & Black
Construction	IP54 rated, impact-resistant double injected, ABS+PC
Dimensions (L x W x H)	170mm x 71mm x 98mm (6.69" x 2.79" x 3.85")
Weight	152g / 5.36oz

REGULATORY SPECIFICATIONS

EMI/EMC	CE, FCC standards applied
Environmental Compliance	RoHS
LED Classification	Class 1 according to IEC60825-1:2007

DECODE RANGES

Barcode Type	Symbology Density	Near	Far
Code 39	5mil	85mm	115mm
EAN-13	13mil	55mm	320mm
Data Matrix	10mil	35mm	140mm
Data Matrix	15mil	5mm	230mm
QR Code	10mil	35mm	140mm
QR Code	15mil	35mm	220mm
PDF417	10mil	25mm	220mm

ORDERING INFORMATION

Base

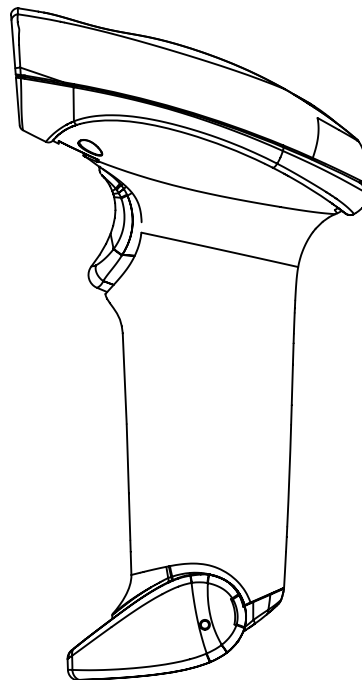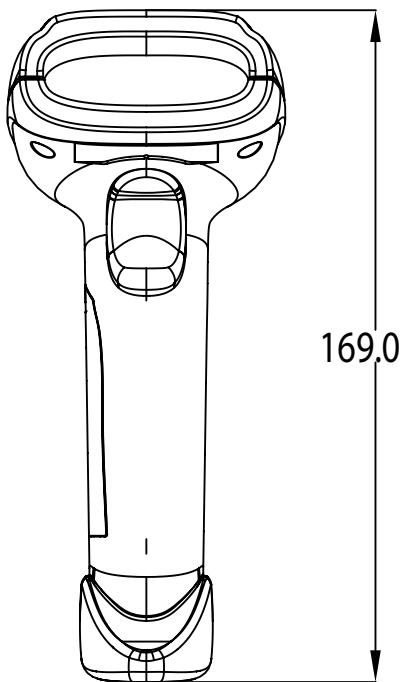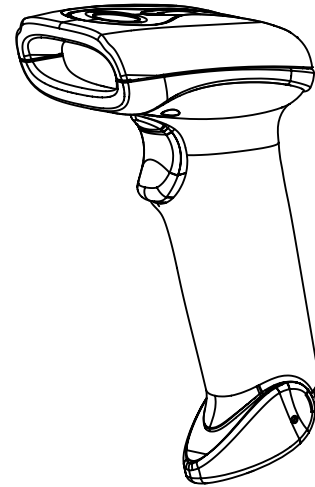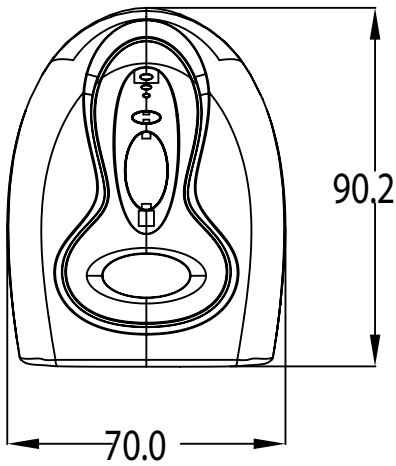|	
IBC-200S-A	IBC-200 1D/2D Industrial Barcode Scanner, IP54 Rated, CMOS Imager, Auto Sensor, Buzzer/LED Indicator, Supports USB-HID, KBW-HID and RS232, 3 Year Warranty, USB Straight 6ft Cable, Black
IBC-200S-B	IBC-200 1D/2D Industrial Barcode Scanner, IP54 Rated, CMOS Imager, Auto Sensor, Buzzer/LED Indicator, Supports USB-HID, KBW-HID and RS232, 3 Year Warranty, RS232 Straight 6ft Cable, Black

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WARRANTY

Standard Warranty	3 Year Warranty
Extended Warranty	TotalCare Protection 3 or 5 Year Extended
Expected Life Cycle	7 Years

OPTIONAL

2760680401	USB Straight 6ft Cable, Black
2760690401	RS232 Straight 6ft Cable, Black
9705018020	Gooseneck Stand

DIMENSIONS

90.2

70.0

169.0

Measurements shown in mm. All dimensions are ± 0.5mm

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