



Ultra-Compact Bluetooth Scanner

Cyclops 1/Cyclops 2

Compatible with Smartphones and Tablets,
Running on iOS, Android, or Windows



Scan Imager
1D(Cyclops1)
1D/2D(Cyclops 2)



Li-ion Battery
720mAh



Drop Spec.
2m



Sealing
IP54



Weight
50g /60g



Warranty
2 years



Exhibition



Transportation



Retail



Cyclops 2



Cyclops 1

Cyclops 1 Specification

Update Date: 2021. 04.27

Physical Characteristics

Dimensions (H)13.4mm x (W)38mm x (L)85mm

Weight 50g

Color White

Keys

- Scan key
- Function key
- Reset hole

Performance Characteristics

Memory

- 2MB Flash ROM
- Min. 10,000 scan data storage

Light Source Visible LED 625nm

Image Sensor CCD sensor, 1500 pixels

Minimum Print Contrast (PCS) Up to 0.20 (20% minimum print contrast ratio)

Scan Rate Nominally 100 scans/second

Decode Capabilities

Scan Imager 1D

Supported Symbologies

Barcode (1D):
UPC_A, UPC_E, UPC_E1, EAN8, EAN13, Bookland_EAN, Bookland_ISBN_Format, UPC_EAN_Supplementals, ISSN_EAN, CODE_128, GS1_128, ISBT_128, ISBT_Concatenation, Code39, Trioptic_Code_39,

Code39_Full_ASCII, Code93, Code11, Interleaved_2_of_5, Discrete_2_of_5, Chinese_2_of_5, Matrix_2_of_5, Codabar, MSI, GS1_DataBar, GS1_DataBar_Limited, GS1_DataBar_Expanded

Reading Range

- **Depth of field at code 128 :**
70 ~ 210 mm (5mil)
- **Depth of field at code 39 :**
57 ~ 248 mm (5mil)
- **Depth of field at code 39 :**
38~324mm (7.5mil)
- **Depth of field at 100% UPC-A :**
51 ~400 mm
- **Depth of field at code 39 :**
38 ~610 mm (20mil)

Communication Interfaces

Supported Host Interfaces Mini USB, SPP, HID

Wireless Communication

- Bluetooth: BT 2.1 + EDR Class 2
- Range: 10m

Power

Battery

- Li-ion 720mAh
- 15000 scan

User Environment

Operating Temp. -10°C ~ 50°C

Storage Temp. -25°C ~ 60°C

Environment Humidity 5%~95%

Ambient Light 110,000 Lux

Sealing IP54

Drop Specification 2m

Tumble Specification

1-meter tumble drop for 100 cycles *
(*1 free drop onto the concrete with 3 times per 6 surface at room temperature.)

OS Support

OS Support Windows, iOS(5.0 above), Android(4.0 above)

Regulatory Compliance

Certification BSMI / NCC / CE / FCC / VCCI B

Accessories

Accessories

- USB cable
- Wrist strap
- Adapter(Optional)

Warranty

Warranty 2 Years

Cyclops 2

Specification

Update Date: 2021. 04.27

Physical Characteristics

Dimensions (H)15.5mm x (W)38mm x (L)90mm

Weight 67g

Color Black, White

Keys

- Scan key
- Function key
- Reset hole

Performance Characteristics

Memory

- 32MB Flash ROM/128MB SDRAM
- Min. 10,000 scan data storage

Light Source One 610nm Aiming LED

Image Sensor CMOS, 1280 x 800 pixels

Minimum Print Contrast (PCS) Up to 0.20 (20% minimum print contrast ratio)

Scan Rate 60 frames per second

Decode Capabilities

Scan Imager 1D/2D

Supported Symbolologies

Barcode (2D):
UPC_A, UPC_E, UPC_E1, EAN8, EAN13, Bookland_EAN, Bookland_ISBN_Format, UPC_EAN_Supplementals, ISSN_EAN, CODE_128, GS1_128, ISBT_128, ISBT_Concatenation, Code39, Trioptic_Code_39,

Code39_Full_ASCII, Code93, Code11, Interleaved_2_of_5, Discrete_2_of_5, Chinese_2_of_5, Matrix_2_of_5, Codabar, MSI, GS1_DataBar, GS1_DataBar_Limited, GS1_DataBar_Expanded, Micro_QR, Korean_3_Of_5, US_Postnet, US_Planet, UK_Postal, Japan_Postal, Australia_Post, Netherlands_KIX_Code, SPS4CB_One_Code_Intelligent_Mail, UPU_FICS_Postal, Composite_CC_C, Composite_CC_A_B, Composite_TLC_39, UPC_Composite_Mode, PDF417, Micro_PDF417, Code128_Emulation, Data_Matrix, Maxicode, QR_Code, Aztec

Reading Range

- **Depth of field at code 39 :**
84 ~ 224 mm (4mil)
- **Depth of field at code 128 :**
71 ~ 208 mm (5mil)
- **Depth of field at code 39 :**
50.8 ~ 343 mm (5mil)
- **Depth of field at PDF417 :**
79~213mm (5mil)
- **Depth of field at Data Matrix :**
74 ~257 mm (10mil)
- **Depth of field at code 39 :**
50.8 ~762 mm (20mil)

Communication Interfaces

Supported Host Interfaces Mini USB, SPP, HID

Wireless Communication

- Bluetooth: BT 2.1 + EDR Class 2
- Range: 10m

Power

Battery

- Li-ion 720mAh
- 5000 scan for 2D barcode scans

User Environment

Operating Temp. -10°C ~ 50°C

Storage Temp. -25°C ~ 60°C

Environment Humidity 5%~95%

Ambient Light 110,000 Lux

Sealing IP54

Drop Specification 2m

Tumble Specification 1-meter tumble drop for 100 cycles *
(*1 free drop onto the concrete with 3 times per 6 surface at room temperature.)

OS Support

OS Support Windows, iOS(5.0 above), Android(4.0 above)

Regulatory Compliance

Certification CE / FCC/ VCCI B

Accessories

Accessories

- USB cable
- Wrist strap
- Cradle
- Charging Cable for Cradle
- Adapter(Optional)

Warranty

Warranty 2 Years