ANSWK

1D **2D**

FC CE RoHS

RS50

ANSWK® 2D Cordless Ring Wearable Scanner

FEATURES

- Lightweight and small size (Only 40g suitable to single finger wearing)
- Changeable ring-trigger integration set (Scanner body and the trigger integration set can be detached and combined)
- Enhanced transmission distance (BLE5.0, roaming up to 20m)
- Enhanced operation time (650 mAh built-in battery, 14 working hours)
- Flexible charging methods (Magnetic interface or traditional Micro-USB)
- Multiple LEDs blink to indicate
- An active buzzer and vibration inside

Markets and Applications

- Order Commissioning (Picking by Scan/Voice)
- Manufacture (Inventory management, Assembly and Verification)
- Warehouse/Distribution (Picking, Sorting, Packing and Stock-In/Out)
- Transportation/Logistics (Sortation, Truck loading, Shipping and Receiving)
- Retail (Price mark down, Inventory in store)
- Express Delivery
- Product identification

TECHNICAL SPECIFICATIONS

Part NO.	RS50-BSE	RS50-BN6	RS50-BLA
Scan Engine	Zebra SE4107	Honeywell N4680	E4760
Optical Resolution	1280 x 960 pixels	640 x 480 pixels (Global shutter)	640 x 480 pixels (Global shutter)
FPS	--	120 max	120 max
Physical Characteristics			
Dimensions	2.01 in. L x 1.38 in. W x 0.71 in. D (1.67 in. H with trigger)		
	51 mm L x 35 mm W x 18 mm D (42.5 mm H with trigger)		
Weight	1.55 oz./44 g	1.41 oz./40 g	1.45 oz./41 g
Battery	650 mAh Li-ion battery	500 mAh Li-ion battery	650 mAh Li-ion battery
Performance Characteristics			
Charging Time	3 Hours	2.5 Hours	3 Hours
Battery Life	14 working hours (scan every 5 seconds)	13.5 working hours (scan every 5 seconds)	15 working hours (scan every 5 seconds)
Field of View	H:44.5°, V:33.5°	H:40°, V:30°	H:39°, V:30°
Scan View	Skew:±60°, Pitch:±60°, Roll: 360°	Skew:±60°, Pitch:±60°, Roll: 360°	Skew:±55°, Pitch:±55°, Roll: 360°
Aiming Element	Green LED	Red LED Dot	Red Laser Pattern
Illumination Element	1 Warm-White LED	1 White LED	1 White LED
Resolution	1D: 3mil, 2D: 5mil	1D: 3mil	1D: 3mil, 2D: 5mil
Decode Range	30 mm to 356 mm	36 mm to 367 mm	30 mm to 330 mm
(20 Mil QR)	[1.2 in to 14 in]	[1.4 in to 14.5 in]	[1.2 in to 10.8 in]
Offline Memory	1MBytes (63K records of UPC-A)		
LED	2 RGB LEDs located at the top side of the device (programmable)		
Beeper	Up to 85 dB @ 10 cm (programmable)		
Vibration	Inside the ring trigger (programmable)		
Button Trigger	Manual ambidextrous trigger with a long life of 5 million cycles		
Touch Trigger	(Optional)		
User Interface			
LED	2 RGB LEDs located at the top side of the device (programmable)		
Beeper	Up to 85 dB @ 10 cm (programmable)		
Vibration	Inside the ring trigger (programmable)		
Restore Key	User accessible for emergency shutdown		
Button Trigger	Manual ambidextrous trigger with a long life of 5 million cycles		
Touch Trigger	(Optional)		
User Environment			
Operating Temp.	32° F to 113° F/0° C to 45°		
Storage Temp.	14° F to 113° F/-10° C to 45° C		
Humidity	5% - 95% non condensing		
Drop Spec.	Multiple 6 ft./1.8 m drops to concrete		

Tumble Spec.	1,000 1.64 ft./0.5 m tumbles
Vibration	Sine 5-2000Hz, 4g peak, 1 hour per axis; Random 20-2000Hz, 6g RMS or 0.04g2/Hz, 1 hour per axis
Electrostatic Discharge (ESD)	$\pm$15kVdc air discharge; $\pm$8kVdc contact discharge

Peripherals and Accessories

USB magnet charging cable; spare trigger mounts

Bluetooth

Class 1 and 2, Bluetooth Low Energy 5.0

Supporting profiles: Human Interface Device Profile (HID), GATT General Profile, Battery Service (BAS)

Warranty

1 (one) year from the date of shipment.

Regulatory

CE, RoHS, FCC

Decode Range RS50-BSE

Symbology	Near/Far
Code 39: 5 mil	2.4 in./6.1 cm to 9.5 in./24.1 cm
Code 128: 5 mil	2.8 in./7.1 cm to 9.0 in./22.9 cm
PDF417: 6.67 mil	2.4 in./6.1 cm to 8.0 in./20.3 cm
UPCA: 100%	1.8 in./4.6 cm to19.5 in./49.5 cm
DataMatrix: 10 mil	2.9 in./7.4 cm to 8.5 in./21.6 cm
QR Code: 20 mil	1.2 in./3.0 cm to 14.0 in./35.6 cm

Decode Range RS50-BN6

Symbology	Near/Far
Code 39: 5 mil	1.8 in./4.5 cm to 7.1 in./18.0 cm
Code 128: 5 mil	2.2 in./5.6 cm to 6.2 in./15.8 cm
PDF417: 7 mil	2.2 in./5.5 cm to 6.4 in./16.3 cm
UPCA 100%: 13 mil	1.8 in./4.6 cm to 15.4 in./39.0 cm
DataMatrix: 10 mil	1.8 in./4.0 cm to 7.2 in./18.2 cm
QR Code: 20 mil	1.4 in./3.6 cm to 14.5 in./36.7 cm

Decode Range RS50-BLA

Symbology	Near/Far
Code 39: 4.2 mil	2.0 in./5.0 cm to 6.3 in./16.0 cm
Code 39: 7.5 mil	2.0 in./5.0 cm to 6.9 in./17.5 cm
Code 128: 14 mil	3.7 in./9.5 cm to 16.1 in./41.0 cm
UPCA: 100%	2.0 in./5.0 cm to 11.4 in./29.0 cm
DataMatrix: 10 mil	2.4 in./6.0 cm to 7.9 in./20.0 cm
QR Code: 25 mil	1.6 in./4.0 cm to 17.1 in./43.5 cm

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