



NLS-HR3280-BT-SD

WIRELESS 2D BARCODE SCANNER

FEATURES

O Outstanding Performance

The HR3280-BT-SD is a barcode scanning powerhouse. No matter what type of barcode is presented, the megapixel camera allows users to scan ID and 2D barcodes, including very small and high density ones, with impressive speed and ease.

Reliable and Stable Wireless Communication

Adopting the latest Bluetooth which is strong antiinterference and stable to transmit the data.

Low Consumption and Great Compatibility

The low consumption of HR3280-BT-SD reduces connection issues and maximizes the compatibility for diverse applications.

O Humanized Illumination Designation

The HR3280-BT-SD can be set white and red led according to different workplaces. Not only relieving the visual fatigue but also improving working efficiency.





















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NLS-HR3280-BT-SD

Intege Sensor I280-880 (megapikel) CMOS Illuminotion White LDS & Red LED (622nm - 628nm) Alming Green LED Symbologies 2D Dott Mattin, Maxicode, PDF417, Aztoc, GR Code(Model 1/2), GM Code, MicroPDF417 Code, CODFOR, Chines Benable Code etc., COLORD, Chines Benable Code etc., CODFOR, Chines Benable Code etc., Code 158, Code 38, Code 38, ISSN 158N Industrial 25, Strandard 25, Chine Poet 25, Plessey, Code 11, MSI Poesey, LCC [EN Composita, GS Databara, Code 48, Code 16K, etc., 33ml Typical Depth of Field* EAN-13 Code 39 B6mm-20mm (Smil) Data Mathin, ISSN 101, Signey, Stew: 155° Pield Contrast* 20% Vin Closs Vertice 24* Min Symbol Contrast* 20% Vin Closs Synchronous, anynchronous and batch mode Radio Technology Bladoubh 50 Communication Mode Synchronous, anynchronous (con once per 6 seconds) Physical Deptor Vintege Vertices Communication Mode Synchronous and batch mode Radio Technology Bladoubh 50 Communication Mode Synchronous anynchronous (con once per 6 seconds) Physical Scanner: 177, Signey 10, Ni Signe	Performance		
Alming Green LED Symbologies 2D Dada Mathix, Maxioda, PDF4I7, Adda C, Qi Code (Model 1/2), 6M Code, MicroPDF4I7 Code, CODEONE, Chinese Semable Code etc., Code 28, Code 38, Code 38	Image Sensor		1280×800 (megapixel) CMOS
Symbologies 20 Data Matrix, Maxicode, PDF417, Arter, QR Code(Model 1/2), GM Code, MarcPDF417 Code, CDECNE, Chines Sensible Code etc., CDECNE, Chines Sensible Code etc., CDECNE, Chines Sensible Code etc., CDECNE, CDECNE, CDELS, UCC/EANU28, CCOdB8, UCC/EANU28, UCC/EANU28, CCOdB8, UCC/EANU28, UCC/EANU28, CCOdB8, UCC/EANU28, UCC/EAN	Illumination		White LED & Red LED (622nm-628nm)
CODECNE, Chinese Sensible Code etc. ID EAN-9, EAN-19, UPC - LUPC - A, Code120, UCC/EAN128, CodeBar, 1205, ITFAI, ITF6, Matrik 26, CodeBar, 1205, ITFAI, ITF6, Matrik 26, Stevesey, Code 11, MSI Resolution*	Aiming		Green LED
Code39, Code93, ISSN, ISBN, Industrial 25, Standard 25, China Post 25, Plessey, Code II, MSI Plessey, UCC/EAN Composite, GSI Databor, Code 49, Code IBK. etc., Typical Depth of Field* EAN-I3 Soft Softm-420mm (IsmiI) Code 39 Softm-420mm (IsmiI) Code 39 Softm-220mm (IsmiI) Data Matrix Softm-220mm (IsmiI) QR Code 20mm-215mm (IsmiI) Data Matrix Softm-220mm (IsmiI) QR Code 20mm-325mm (IsmiI) Soft Angle** Hot: ±55% (Ist 360°, Skew: ±55° Field of View Hotzontal 39°, Ventical 24° Min Symbol Contrast* Synchronous, asynchronous and batch mode Radia Technology Bluetooth 5.0 Communication Mode Synchronous, asynchronous and batch mode Radia Technology Bluetooth 5.0 Communication Distance Synchronous asynchronous and batch mode Radia Technology Ibluetooth 5.0 Communication Distance Yebourd Anary Expected Charge Time 2000 mAh Ithium-ion battery Expected Charge Time Ibluetooth 5.0 Communication Vietage Soft Anary (Sing) Y33.5(0) ×155.0(H)mm Bielefooth Soft Anary (Sing) Y33.5(0) ×155.0(H)mm Vietage Soft Anary (Sing) Y33.5(0) ×155.0(H)mm Weight Soft Anary (Sin	Symbologies	2D	
Typical Depth of Field* EAN-13 60mm -495mm (13mil) Code 39 85mm-200mm (15mil) PDF 417 70mm -215mm (15mil) Data Matrix 50mm -220mm (10mil) QR Code 20mm-325mm (15mil) Scan Angle** Pitch *55% Roll 360% Skew: *55% Field of View Pitch *55% Roll 360% Skew: *55% Min Symbol Contrast* 25% Vireless Synchronous, asynchronous and batch mode Radio Technology Shuetooh 5.0 Communication Distance Som (164ft (direct line of sight in open air) Memary Capacity Som (164ft (direct line of sight in open air) Memary Capacity 4 hours (with power adapter) Expected Charge Time 4 hours (with power adapter) Expected Battery Life Vours of continuous operation (scan once per 6 seconds) Physical Scanner: 1135 (M) × 733 (D) × 159.0 (H)mm Unrelification Scanner: 1135 (M) × 733 (D) × 159.0 (H)mm Weight Scanner: 1135 (M) × 733 (D) × 159.0 (H)mm Weight Scanner: 1135 (M) × 733 (D) × 159.0 (H)mm Storage Temperature -20°C to 50°C (-4°F to 122°F) Storage Temperature		ID	Code39, Code93, ISSN, ISBN, Industrial 25, Standard 25, China Post 25, Plessey, Code 11, MSI
Code 39 85mm-220mm (5mll) PDF 417 70mm-215mm (6 mll) Data Matrix 50mm-220mm (10mll) Data Matrix 50mm-220mm (10mll) Scon Angle** Pitch: ±55% Roll: 360% Skow: ±55% Field of View Horizontal 39°, Vertical 24° Min Symbol Contrast* 25% Vireless Synchronous, asynchronous and batch mode Radio Technology Bluetooth 5.0 Communication Distance 50m/164f (direct line of sight in open air) Memory Capacity 215000 pieces of Code 128 (20 byte of each Code 128) Expected Charge Time 4 hours (with power adapter) Expected Battery Life 12 hours of continuous aperation (scan once per 6 seconds) Physical 2200 mAh lithium-ion battery Expected Battery Life Scanner: 13.5(W) ×73.3(D) ×159.0(H)mm Weight Scanner: 13.5(W) ×73.3(D) ×159.0(H)mm Weight Scanner: 217g Notification Scanner: 13.5(W) ×73.3(D) ×159.0(H)mm Weight Scanner: 13.5(W) ×73.3(D) ×159.0(H)mm Weight Scanner: 13.5(W) ×73.5(D) ×159.5(H) Storage Temperature -20°C to 50°C (-4°F to 152%)	Resolution*		≥3mil
PDF 417 70mm-215mm (6.7mil) Data Matrix 50mm-220mm (10mil) QR Code 20mm-325mm (15mil) Scan Angle** Pitch: ±55°, Roll: 360°, Skow: ±55° Field O View Horizontal 39°, Vertical 24° Min Symbol Contrast* 25 * Optication Synchronous, asynchronous and batch mode Radio Tochnology Bluetooth 5.0 Communication Mode Synchronous, asynchronous and batch mode Radio Tochnology Bluetooth 5.0 Communication Distance Synchronous, asynchronous and batch mode Memory Capacity 15000 pices of Code 128 (20 byte of each Code 128) Battery 2200 mAh lithium-ion battery Expected Charge Time 4 hours (with power adapter) Expected Darge Time 4 hours (with power adapter) Expected Darge Time Scanner: 135 (W) ×73.3 (D) ×159.0 (H)mm Weight Scanner: 135 (W) ×73.3 (D) ×159.0 (H)mm Storage Temperature -40°C to 50°C (-4°F to 152°F) <td rowspan="3">Typical Depth of Field*</td> <td>EAN-13</td> <td>50mm-495mm (13mil)</td>	Typical Depth of Field*	EAN-13	50mm-495mm (13mil)
Data Matrix 50mm-220mm (10mil) QR Code 20mm-328mm (15mil) Scan Angle** Pitch: ±55% Roll: 360% Skew: ±55% Field of View Horizontal 39% Vertical 24% Min Symbol Contrast* 25% Wireless E Communication Mode Synchronous, asynchronous and batch mode Radio Tachology Bluetooth 5.0 Communication Distance 50m/164ft (direct line of sight in open air) Memory Copacity 415000 pieces of Code 128 (20 byte of each Code 128) Battery 25000 mAh lithium-ion battery Expected Charge Time 4 hours (with power adapter) Expected Battery Life 12 hours of continuous operation (scan once per 6 seconds) Physical Scanner: 13.5 (W) ×73.3 (D) ×159.0 (H)mm Control Scanner: 17g Dimensions (L×W×H) Scanner: 127g Storge Temperature -40°C to 50°C (-474 to 122*F) Storge Temperature -40°C to 50°C (-474 to 158*F) Unridity 5% 5% (non-condensing) Esb Scanner: 142 Corter 50% Conner: 144 K (contact discharge) Diperating Temperature		Code 39	85mm-220mm (5mil)
QR Code 20mm-325mm (15mil) Scan Angle** Pitch: ±55°, Roli: 360°, Skew: ±55° Field of View Horizontal 39°, Vertical 24° Min Symbol Contrast* 25% Wireless Communication Mode Synchronous, asynchronous and batch mode Radio Technology Bluetooth 5.0 Gommoliation Mode Memory Capacity Bluetooth 5.0 Gommoliation Open air) Memory Capacity 200 m/l64ft (direct line of sight in open air) Memory Capacity 200 m/l64ft (direct line of sight in open air) Memory Capacity 200 mAh lithium-ion battery Expected Charge Time 4 hours (with power adapter) Expected Battery Life 12 hours of continuous operation (scan once per 6 seconds) Physical Scanner: 13.5 (W) × 73.3 (D) ×159.0 (H)mm Weight Scanner: 13.5 (W) × 73.3 (D) ×159.0 (H)mm Weight Scanner: 217g Notification Beap: LD Environmental -20°C to 50°C (-4°F to 158°F) Hurnidity 54°-95% (non-condensing) ESD +8 KV (air discharge); ±4 KV (contact discharge) Scanner: 15m/4.9ft Cradie: 12m/3ft <tr< td=""><td>PDF 417</td><td>70mm-215mm (6.7mil)</td></tr<>		PDF 417	70mm-215mm (6.7mil)
Scan Angle** Pitch: ±55°, Roll: 360°, Skew: ±55° Field View Horizontal 39°, Vertical 24° Min Symbol Contrast* 25% Witcless Communication Mode Synchronous, asynchronous and batch mode Radio Technology Bluetooth 5.0 Communication bistance Communication bistance 50m/164/t (farct line of sight in open air) Memary Capacity 21000 mAh lithium-ion battery Expected Charge Time 4 hours (with power adapter) Expected Battery Life 12 hours of continuous operation (scan once per 6 seconds) Physical Interface Notification Scanner: 1135 (W) ×73.3(D) ×159.0(H)mm Weight Scanner: 217g Notification Bee, LED Exported Famperature -20°C to 50°C (-4°F to 122°F) Storage Temperature -40°C to 70°C (-40°F to 158°F) Humidity 5% -5% (non-condensing) ESD #8 KV (air discharge); #4 KV (contact discharge) Prop Scanner: 15m/4.9ft Cradie: 12m/3ft Sealing Scanner: I5m/4.9ft Cradie: 12m/3ft		Data Matrix	50mm-220mm (10mil)
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Memory Capacity ±15000 pieces of Code 128 (20 byte of each Code 128) Battery 2200 mAh lithium-ion battery Expected Charge Time 4 hours (with power adapter) Expected Battery Life 12 hours of continuous operation (scan once per 6 seconds) Physical Interface Operating Voltage 5VDC±5% Dimensions (L×W×H) Scanner: 113.5(W)×73.3(D)×159.0(H)mm Weight Scanner: 217g Notification Beep, LED Environmental -20°C to 50°C (-4°F to 122°F) Storage Temperature -20°C to 50°C (-4°F to 122°F) Storage Temperature -40°C to 70°C (-40°F to 158°F) Humidity 5%-95% (non-condensing) ESD ±8 KV (air discharge); ±4 KV (contact discharge) Drop scanner: 15m/4.9ft Cradle: 1.2m/3ft Sealing Scanner: IP42 Certificates & Protection FCC PartI5 Class B, CE EMC Class B, RoHS	Communication Distance		50m/164ft (direct line of sight in open air)
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InterfaceRS-232, USBOperating Voltage5VDC ± 5%Dimensions (L*W×H)Scanner: 113.5(W) × 73.3(D) × 159.0(H)mmWeightScanner: 217gNotificationBeep, LEDEnvironmentalOperating Temperature-20°C to 50°C (-4°F to 122°F)Storage Temperature-20°C to 50°C (-4°F to 122°F)Humidity5%-95% (non-condensing)ESD± 8 KV (air discharge); ± 4 KV (contact discharge)DropScanner: 1.5m/4.9ft Cradle: 1.2m/3ftSealingScanner: IP42Certificates & ProtectionFCC PartI5 Class B, CE EMC Class B. RoHS"Test conditions: T=23°C; illumination=300lux using incandescent lamp; sample printed barcodes made by Newland.	Expected Battery Life		12 hours of continuous operation (scan once per 6 seconds)
Operating Voltage5VDC ± 5%Dimensions (L×W×H)Scanner: 113.5(W) × 73.3(D) × 159.0(H)mmWeightScanner: 217gNotificationBeep, LEDEnvironmentalOperating Temperature-20°C to 50°C (-4°F to 122°F)Storage Temperature-40°C to 70°C (-40°F to 158°F)Humidity5%-95% (non-condensing)ESD± 8 KV (air discharge); ± 4 KV (contact discharge)DropScanner: 1.5m/4.9ft Cradle: 1.2m/3ftSealingScanner: IP42Certificates & ProtectionFCC PartI5 Class B, CE EMC Class B. RoHS*myle printed barcodes made by Newland.	Physical		
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Notification Beep, LED Environmental Construct of the state of the	Dimensions (L×W×H)		Scanner: 113.5(W)×73.3(D)×159.0(H)mm
Environmental Operating Temperature -20°C to 50°C (-4°F to 122°F) Storage Temperature -40°C to 70°C (-40°F to 158°F) Humidity 5%-95% (non-condensing) ESD ±8 KV (air discharge); ±4 KV (contact discharge) Drop Scanner: 1.5m/4.9ft Cradle: 1.2m/3ft Sealing Scanner: IP42 Certificates & Protection FCC Part15 Class B, CE EMC Class B. RoHS *Test conditions: T=23°C; Illumination=300lux using incandescent lamp; sample printed barcodes made by Newland.	Weight		Scanner: 217g
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Storage Temperature -40°C to 70°C (-40°F to 158°F) Humidity 5%-95% (non-condensing) ESD ±8 KV (air discharge); ±4 KV (contact discharge) Drop Scanner: 1.5m/4.9ft Cradle: 1.2m/3ft Sealing Scanner: IP42 Certificates Certificates & Protection FCC Part15 Class B, CE EMC Class B. RoHS *Test conditions: T=23°C; Illumination=300lux using incandescent lamp; sample printed barcodes made by Newland.	Environmental		
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ESD ±8 KV (air discharge); ±4 KV (contact discharge) Drop Scanner: 1.5m/4.9ft Sealing Scanner: IP42 Certificates Protection FCC Part15 Class B, CE EMC Class B. RoHS *Test conditions: T=23°C; Illumination=300lux using incandescent lamp; sample printed barcodes made by Newland.	Storage Temperature		-40°C to 70°C (-40°F to 158°F)
Drop Scanner: 1.5m/4.9ft Cradle: 1.2m/3ft Sealing Scanner: IP42 Certificates Protection FCC Part15 Class B, CE EMC Class B. RoHS *Test conditions: T=23°C; Illumination=300lux using incandescent lamp; sample printed barcodes made by Newland.	Humidity		5%~95% (non-condensing)
Sealing Scanner: IP42 Certificates FCC PartI5 Class B, CE EMC Class B. RoHS *Test conditions: T=23°C; Illumination=300lux using incandescent lamp; sumple printed barcodes made by Newland.	ESD		±8 KV (air discharge); ±4 KV (contact discharge)
Certificates Certificates & Protection FCC Part15 Class B, CE EMC Class B. RoHS *Test conditions: T=23°C; Illumination=300lux using incandescent lamp; sample printed barcodes made by Newland.	Drop		Scanner: 1.5m/4.9ft Cradle: 1.2m/3ft
Certificates & Protection FCC Part15 Class B, CE EMC Class B. RoHS *Test conditions: T=23°C; Illumination=300lux using incandescent lamp; sample printed barcodes made by Newland.	Sealing		Scanner: IP42
Certificates & Protection FCC Part15 Class B, CE EMC Class B. RoHS *Test conditions: T=23°C; Illumination=300lux using incandescent lamp; sample printed barcodes made by Newland.	Certificates		
			FCC Part15 Class B, CE EMC Class B. RoHS
**Test conditions: Scan Distance= (min. DOF + max. DOF)/2; T=23°C; Illumination=300lux using incandescent lamp;	*Test conditions: T=23°C; Illumination=3	300lux using incandescent la	mp; sample printed barcodes made by Newland.
	**Test conditions: Scan Distance= (min	. DOF + max. DOF)/2; T=23%	C; Illumination=300lux using incandescent lamp;

1D: EAN-13 (13mil).

Specifications are subject to change without notice.

Version: VI.0

Newland AIDC

Add: No.1 Rujiang West Rd., Mawei, Fuzhou, Fujian 350001, China Tel: +86-591-83979500 Fax: +86-591-83979216 Email: info@nlscan.com Web: www.newlandaidc.com

North America&Latin America

Add: 46559 Fremont Blvd, Fremont, CA 94538, USA Tel: +1 510 490 3888 Fax: +1 510 490 3887 Email: info@nlscan.com Web: www.newlandamerica.com

Europe & Middle East

Add: Rolweg 25, 4104 AV Culemborg, The Netherlands Tel: +31 (0) 345 87 00 33 Email: sales@newland-id.com Tech Support: tech-support@newland-id.com Web: www.newland-id.com

Asia Pacific

Taiwan: Add: 7F-6, No. 268, Liancheng Rd., Jhonghe Dist. 235, New Taipei City,Taiwan Tel: +886 2 7731 5388 Email: info@newland-id.com.tw

