

NLS-HR1550-3E 1D hand-held bar code scanner is the cordless model of HR15 series, which is also able to read PDF417 and MicroPDF417 stacked 2D bar code. This model adopts Zigbee technology to realize wireless communication and supports standard RS-232 / USB. With good performance, this rugged scanner is very suitable for applications in supermarkets, shopping malls and warehouse environment application, etc.

Product Features

Data Acquisition Support common 1D barcodes and PDF417 and MicroPDF417stacked 2D barcode.

Operating Modes

Data Transmission support Synchronous, Asynchronous and Batch mode. Offline Scanning up to 4095 EAN barcodes of 13mil.

Zigbee Wireless

Zigbee technology, supporting long-distance communication up to 50m & easy networking to expand coverage

Super One Pair

Cradle and scanner(s) can be paired one-to-one or one-to-many simply via the Match key on cradle. And the cradle is also able to seek the paired scanner(s) via the Match key.

Specifications

Light Source620nm Visible Red LEDScan PatternCOD linear imageCode128, EAN-13, EAN-8, Code39,UPC-A, UPC-E, Codabar, Interleavel 2, G, Code38, UCC/EAN-128, EAN-13, Code39, UPC-A, Code3a, PDF417, MicroPDF417, deicroPDF417 deiceSymbologies <l< th=""><th>Performance</th><th></th></l<>	Performance	
SymbologiesCode128, EAN-13, EAN-8, Code39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ISBN, Code 93, UCC/EAN-128, GS1 Databar, PDF417, MicroPDF417 etc. (Cordiess model reading PDF417/MicroPDF417 data length is less than 255 bytes)Resolution= 4milScan Angle44°Reading Angle300 scans per secondMinimum Symbol Contrast20%InterfaceRs-232, USBMechanical113.5 x 73 x 159 mmDimensions of Scanner(L x W x H)195 x 82.5 x 47 mmWeight of Cordless Scanner210 g (Including battery)Weight of CradleBeep and LED indicatorPower AdaptorOutput: DCSV, x1.5A , Input: AC 100-240V, 50-60HzEnvironmental20°C to 60°C (4°F to 122°F)Static Discharge12VC (Nor condensing)Static Discharge12VC (Air discharge), ±8KV (Direct discharge)Static Discharge20% Close Gore (4°F to 142°F)Humidity5% op 5% (Non-condensing)Static Discharge20% Close Gore (4°F to 140°F)Humidity5% op 5% (Non-condensing)Static Discharge20% Close Gore (4°F to 140°F)Urieless20% Close Gore (4°F to 140°F)Data Rate20.200 KBpsEattery20200mAh Li-ion BatteryExpected Hours of Operation7/ hoursCharging TimeAround 3.5 hours for full chargeNumber of Scan60,000 scans per charge	Light Source	620nm Visible Red LED
SymbologiesISBN, Code 93, UCC/EAN-128, GS1 Databar, PDF417, MicroPDF417 data (Cordess model reading PDF417/MicroPDF417 data length is less than 255 bytes)Resolution< 4-MI	Scan Pattern	CCD linear image
Image: Correlation (Correlation pDF417/MicroPDF417/data length is less than 255 bytes)Resolution ≥ 4milScan Angle44°Reading Angle44°Scan Rate300 scans per secondMinimum Symbol Contrast20%InterfaceRs-232, USBMechanicalScan RateDimensions of Scanner(L x W x H)113.5 x 73 x 159 mmDimensions of Scanner(L x W x H)195 x 82.5 x 47 mmWeight of Cordless Scanner210 g (Including battery)Weight of Cordless Scanner210 g (Including battery)Weight of Cordless Scanner210 g (Including battery)Weight of Cordless Scanner210 g (Including battery)Static Darge Temperature-00°C to 50°C (14°F to 120°F)Storage Temperature-20°C to 60°C (4°F to 140°F)Hunidity5% ~95% (Non-condensing)Static Discharge±12KV (Air discharge), ±8KV (Direct discharge)SealingIF64VireastOperating ModesSonchronous, Asynchronous and BatchmodeRatio Technology2.4 to 2.4835 GHz (ISM Band) frequency - Zigbee communication technologyCommunication Range≥ 50 mBattery200mAh Li-ion BatteryExpected Hours of Operation17 hoursCharging TimeAround 3.5 hours for full chargeNumber of Scan60,000 scans per charge		Code128, EAN-13, EAN-8, Code39,UPC-A, UPC-E, Codabar, Interleaved 2 of 5,
Resolution≥ 4milScan Angle44°Reading Anglo44°Reading Anglo44°Scan Rate300 scans per secondMinimum Symbol Contrast20%InterfaceRS-232, USBMechanicalUDimensions of Scanner(L x W x H)113.5 x 73 x 159 mmDimensions of Cradle(L x W x H)195 x 82.5 x 47 mmWeight of Cordless Scanner210 g (Including battery)Weight of Cordless Scanner210 g (Including battery)Weight of Cradle150gReminderBeep and LED indicatorPower AdaptorOutput: DC5V, ≥1.5A , Input: AC 100~240V, 50~60HzEnvironmental-10°C to 50°C (14°F to 122°F)Storage Temperature-20°C to 60°C (-4°F to 120°F)Humidify5% ~95% (Non-condensing)Static Discharge±12KV (Air discharge), ±8KV (Direct discharge)Static Discharge≤4 to 2.4835 GHz (ISM Band) frequency - Zigbee communication technologyCommunication Range≥0 mInterface200mAh Li-ion BatteryExpected Hours of Operation17 hoursKapet GL Mours of Scanne60,000 scans per charge	Symbologies	ISBN, Code 93, UCC/EAN-128, GS1 Databar, PDF417, MicroPDF417 etc.
Scan Angle44°Reading Angle44°Scan Rate300 scans per secondMinimum Symbol Contrast20%InterfaceRs-232, USBMechanical13.5 x 73 x 159 mmDimensions of Scanner(L x W x H)19.5 x 82.5 x 47 mmVeigh of Cordless Scanner210 g (Including battery)Weight of Cradle150gReminderBeep and LED indicatorPower Adaptor0.utput: DCSV, >1.5 A, J, Iput: AC 100-240V, 50-60HzEnvironmental-20°C to 60°C (14°F to 122°F)Storage Temperature-20°C to 60°C (14°F to 124°F)Static Discharge±12KV (Air discharge), ±8KV (Direct discharge)Static Discharge5%noncous, Asynchronous and BatchmodeRadio Technology2.4 to 2.4835 GHz (ISM Band) frequency - Zigbee communication technologyCommunication Range50 mBattery200mAh Li-ion BatteryExpected Hours of Operation7 hoursKatter Streage Temperature0.250 KBpsGrading Nagle50 mCommunication Range50 mCommunication Range200mAh Li-ion BatteryExpected Hours of Operation7 hoursFattery200mAh Li-ion BatteryExpected Hours of Operation7 hoursRumen of Scan60,000 scans per charge		(Cordless model reading PDF417/MicroPDF417data length is less than 255 bytes)
Reading44°Scan Rate300 scans per secondMinimum Symbol Contrast20%InterfaceRs-232, USBMechanicalDimensions of Scanner(L x W x H)113.5 x 73 x 159 mmDimensions of Cradle(L x W x H)195 x 82.5 x 47 mmVeight of Cordless Scanner210 g (Including battery)Weight of Cradle150gReminderBeep and LED indicatorPower Adaptor0.utput: DC5V, >1.5 A, Input: AC 100-240V, 50-60HzEnvironmental-20°C to 60°C (4°F to 122°F)Storage Temperature-20°C to 60°C (4°F to 124°F)Static Discharge±12KV (Air discharge), ±8KV (Direct discharge)Static Discharge\$ynchronous, Asynchronous and BatchmodeRadio Technology2.4 to 2.4835 GHz (ISM Band) frequency - Zigbee communication technologyCommunication Range>50 mBattery200mAh Li-ion BatteryExpected Hours of Operation17 hoursKingen Time60,000 scans per charge	Resolution	≥ 4mil
Scan Rate300 scans per secondMinimum Symbol Contrast20%InterfaceRS-232, USBMechanicalInterfaceDimensions of Scanner(L x W x H)13.5 x 73 x 159 mmDimensions of Cradle(L x W x H)195 x 82.5 x 47 mmWeight of Cordless Scanner210 g (Including battery)Weight of Cordless Scanner200 g (Including battery)Weight of Cradle150gReminderBeep and LED indicatorPower AdaptorOutput: DCSV ≥1.5A _Input: AC 100~240V, 50~60HzEnvironmentalInterfaceOperation Temperature-10°C to 50°C (14°F to 122°F)Storage Temperature-20°C to 60°C (-4°F to 140°F)Humidity5% ~95% (Non-condensing)Static DischargeI2KV (Air discharge), ±8KV (Direct discharge)SealingI954Operating ModesSynchronous, Asynchronous and BatchmodeRadio Technology2.4 to 2.4835 GHz (ISM Band) frequency - Zigbee communication technologyCommunication Range≥50 mData Rate20.250 KBpsBattery200mAh Li-ion BatteryExpected Hours of Operation17 hoursCharging TimeAround 3.5 hours for full chargeNumber of Scan60,000 scans per charge	Scan Angle	44°
Minimum Symbol Contrast 20% Interface 20% Interface RS-232, USB Mechanical Intensions of Scanner(L x W x H) Dimensions of Cradle(L x W x H) 113.5 x 73 x 159 mm Dimensions of Cradle(L x W x H) 195 x 82.5 x 47 mm Weight of Cordless Scanner 210 g (Including battery) Weight of Cradle 8eep and LED indicator Power Adaptor Output: DCSV,≥1.5A ,Input: AC 100~240V, 50~60Hz Environmental -00°C to 50°C (14°F to 122°F) Storage Temperature -10°C to 50°C (14°F to 122°F) Storage Temperature -20°C to 60°C (-4°F to 140°F) Humidity 5% ~ 95% (Non-condensing) Static Discharge ±12KV (Air discharge), ±8KV (Direct discharge) Sealing IP54 Wireless 20.4 to 2.4835 GHz (ISM Band) frequency - Zigbee communication technology Communication Range ≥ 50 m Data Rate 2000mAh Li-ion Battery Expected Hours of Operation 7 hours Charging Time Around 3.5 hours for full charge Humidit So (So cans per charge 60,000 scans per charge	Reading Angle	44°
InterfaceRS-232, USBMechanicalI13.5 x 73 x 159 mmDimensions of Scanner(L x W x H)113.5 x 73 x 159 mmDimensions of Cradle(L x W x H)195 x 82.5 x 47 mmWeight of Cordless Scanner210 g (Including battery)Weight of Cradle150gReminderBeep and LED indicatorPower AdaptorOutput: DCSV,≥1.5A , Input: AC 100~240V, 50~60HzEnvironmental-10°C to 50°C (14°F to 122°F)Storage Temperature-20°C to 60°C (4°F to 140°F)Storage Temperature-20°C to 60°C (4°F to 140°F)Static Discharge±12KV (Air discharge), ±8KV (Direct discharge)Static Discharge±12KV (Air discharge), ±8KV (Direct discharge)Sealing1P54Wireless20 on the static (ISM Band) frequency - Zigbee communication technologyCommunication Range≥ 50 mData Rate20.250 KBpsBattery200mAh Li-ion BatteryExpected Hours of Operation17 hoursCharging Time60,000 scans per chargeNumber of Scan60,000 scans per charge	Scan Rate	300 scans per second
Mechanical Dimensions of Scanner(L x W x H) 113.5 x 73 x 159 mm Dimensions of Cradle(L x W x H) 195 x 82.5 x 47 mm Weight of Cordless Scanner 210 g (Including battery) Weight of Cradle 150g Reminder Beep and LED indicator Power Adaptor Output: DCSV,≥1.5A ,Input: AC 100~240V, 50~60Hz Environmental -0°°C to 50°C (14°F to 122°F) Storage Temperature -10°C to 50°C (14°F to 122°F) Storage Temperature -20°C to 60°C (-4°F to 140°F) Hunidity 5% ~95% (Non-condensing) Static Discharge ±12KV (Air discharge), ±8KV (Direct discharge) Sealing IP54 Wireless Operation Tency - Zigbee communication technology Communication Range ≥50 m Data Rate 20-250 KBps Battery 2200mAh Li-ion Battery Expected Hours of Operation 17 hours Charging Time Around 3.5 hours for full charge Number of Scan 60,000 scans per charge	Minimum Symbol Contrast	20%
Dimensions of Scanner(L x W x H)113.5 x 73 x 159 mmDimensions of Cradle(L x W x H)195 x 82.5 x 47 mmWeight of Cordless Scanner210 g (Including battery)Weight of Cradle150gReminderBeep and LED indicatorPower Adaptor0uput: DC5V, ≥1.5A, Input: AC 100~240V, 50~60HzEnvironmental	Interface	RS-232, USB
Dimensions of Cradle(L x W x H)195 x 82.5 x 47 mmWeight of Cordless Scanner210 g (Including battery)Weight of Cradle150gReminderBeep and LED indicatorPower AdaptorOutput: DC5V, ≥1.5A , Input: AC 100~240V, 50~60HzEnvironmental-10°C to 50°C (14°F to 122°F)Storage Temperature-20°C to 60°C (4°F to 140°F)Humidity5% ~ 95% (Non-condensing)Static Discharge±12KV (Air discharge), ±8KV (Direct discharge)SealingIP54VirelessOperation Range50 mData Rate20.250 KBpsBattery2200mAh Li-ion BatteryExpected Hours of Operation17 hoursCharging TimeAround 3.5 hours for full chargeNumber of Scan60,000 scans per charge	Mechanical	
Weight of Cordless Scanner210 g (Including battery)Weight of Cradle150gReminderBeep and LED indicatorPower AdaptorOutput: DC5V, ≥1.5A , Input: AC 100~240V, 50~60HzEnvironmental	Dimensions of Scanner(L x W x H)	113.5 x 73 x 159 mm
Weight of Cradle150gReminderBeep and LED indicatorPower AdaptorOutput: DC5V, ≥1.5APower AdaptorOutput: DC5V, ≥1.5AInput: AC 100~240V, 50~60HzEnvironmentalOperation Temperature-10°C to 50°C (14°F to 122°F)Storage Temperature-20°C to 60°C (-4°F to 140°F)Humidity5% ~ 95% (Non-condensing)Static Discharge±12KV (Air discharge), ±8KV (Direct discharge)SealingIP54WirelessOperating ModesSynchronous, Asynchronous and BatchmodeRadio Technology2.4 to 2.4835 GHz (ISM Band) frequency - Zigbee communication technologyCommunication Range≥ 50 mData Rate20.250 KBpsBattery2200mAh Li-ion BatteryExpected Hours of Operation17 hoursCharging TimeAround 3.5 hours for full chargeNumber of Scan60,000 scans per charge	Dimensions of Cradle(L x W x H)	195 x 82.5 x 47 mm
ReminderBeep and LED indicatorPower AdaptorOutput: DC5V, ≥1.5A ,Input: AC 100~240V, 50~60HzEnvironmentalOperation Temperature-10°C to 50°C (14°F to 122°F)Storage Temperature-20°C to 60°C (-4°F to 140°F)Humidity5% ~ 95% (Non-condensing)Static Discharge±12KV (Air discharge), ±8KV (Direct discharge)SealingIP54WirelessOperating ModesSynchronous, Asynchronous and BatchmodeRadio Technology2.4 to 2.4835 GHz (ISM Band) frequency - Zigbee communication technologyCommunication Range≥ 50 mBattery2200mAh Li-ion BatteryExpected Hours of Operation17 hoursCharging TimeAround 3.5 hours for full chargeNumber of Scan60,000 scans per charge	Weight of Cordless Scanner	210 g (Including battery)
Power AdaptorOutput: DC5V, ≥1.5AInput: AC 100~240V, 50~60HzEnvironmentalOperation Temperature-10°C to 50°C (14°F to 122°F)Storage Temperature-20°C to 60°C (-4°F to 140°F)Humidity5% ~ 95% (Non-condensing)Static Discharge±12KV (Air discharge), ±8KV (Direct discharge)SealingIP54WirelessOperating ModesSynchronous, Asynchronous and BatchmodeRadio Technology2.4 to 2.4835 GHz (ISM Band) frequency - Zigbee communication technologyCommunication Range≥ 50 mData Rate200mAh Li-ion BatteryExpected Hours of Operation17 hoursCharging TimeAround 3.5 hours for full chargeNumber of Scan60,000 scans per charge	Weight of Cradle	150g
EnvironmentalOperation Temperature-10°C to 50°C (14°F to 122°F)Storage Temperature-20°C to 60°C (-4°F to 140°F)Humidity5% ~ 95% (Non-condensing)Static Discharge±12KV (Air discharge), ±8KV (Direct discharge)SealingIP54WirelessVirelessOperating ModesSynchronous, Asynchronous and BatchmodeRadio Technology2.4 to 2.4835 GHz (ISM Band) frequency - Zigbee communication technologyCommunication Range≥ 50 mData Rate20-250 KBpsBattery2200mAh Li-ion BatteryExpected Hours of Operation17 hoursCharging TimeAround 3.5 hours for full chargeNumber of Scan60,000 scans per charge	Reminder	Beep and LED indicator
Operation Temperature-10°C to 50°C (14°F to 122°F)Storage Temperature-20°C to 60°C (-4°F to 140°F)Humidity5% ~ 95% (Non-condensing)Static Discharge±12KV (Air discharge), ±8KV (Direct discharge)SealingIP54WirelessSynchronous, Asynchronous and BatchmodePoperating ModesSynchronous, Asynchronous and BatchmodeRadio Technology2.4 to 2.4835 GHz (ISM Band) frequency - Zigbee communication technologyData Rate20-250 KBpsBattery200mAh Li-ion BatteryExpected Hours of Operation17 hoursCharging TimeAround 3.5 hours for full chargeNumber of Scan60,000 scans per charge	Power Adaptor	Output: DC5V, ≥1.5A ,Input: AC 100~240V, 50~60Hz
Storage Temperature-20°C to 60°C (-4°F to 140°F)Humidity5% ~ 95% (Non-condensing)Static Discharge±12KV (Air discharge), ±8KV (Direct discharge)SealingIP54WirelessSynchronous, Asynchronous and BatchmodeRadio Technology2.4 to 2.4835 GHz (ISM Band) frequency - Zigbee communication technologyCommunication Range≥ 50 mData Rate20-250 KBpsBattery2200mAh Li-ion BatteryExpected Hours of OperationAround 3.5 hours for full chargeNumber of Scan6,0,000 scans per charge	Environmental	
Humidity5% ~ 95% (Non-condensing)Static Discharge±12KV (Air discharge), ±8KV (Direct discharge)SealingIP54WirelessSynchronous, Asynchronous and BatchmodeRadio Technology2.4 to 2.4835 GHz (ISM Band) frequency - Zigbee communication technologyCommunication Range≥ 50 mData Rate20-250 KBpsBattery2200mAh Li-ion BatteryExpected Hours of Operation17 hoursCharging TimeAround 3.5 hours for full chargeNumber of Scan60,000 scans per charge	Operation Temperature	-10°C to 50°C (14°F to 122°F)
Static Discharge±12KV (Air discharge), ±8KV (Direct discharge)SealingIP54WirelessSynchronous, Asynchronous and BatchmodeOperating ModesSynchronous, Asynchronous and BatchmodeRadio Technology2.4 to 2.4835 GHz (ISM Band) frequency - Zigbee communication technologyCommunication Range≥ 50 mData Rate20-250 KBpsBattery2200mAh Li-ion BatteryExpected Hours of Operation17 hoursCharging TimeAround 3.5 hours for full chargeNumber of Scan60,000 scans per charge	Storage Temperature	-20°C to 60°C (-4°F to 140°F)
SealingIP54WirelessOperating ModesSynchronous, Asynchronous and BatchmodeRadio Technology2.4 to 2.4835 GHz (ISM Band) frequency - Zigbee communication technologyCommunication Range≥ 50 mData Rate20-250 KBpsBattery2200mAh Li-ion BatteryExpected Hours of Operation17 hoursCharging TimeAround 3.5 hours for full chargeNumber of Scan60,000 scans per charge	Humidity	5% ~ 95% (Non-condensing)
Wireless Synchronous, Asynchronous and Batchmode Radio Technology 2.4 to 2.4835 GHz (ISM Band) frequency - Zigbee communication technology Communication Range ≥ 50 m Data Rate 20-250 KBps Battery 2200mAh Li-ion Battery Expected Hours of Operation 17 hours Charging Time Around 3.5 hours for full charge Number of Scan 60,000 scans per charge	Static Discharge	±12KV (Air discharge), ±8KV (Direct discharge)
Operating ModesSynchronous, Asynchronous and BatchmodeRadio Technology2.4 to 2.4835 GHz (ISM Band) frequency - Zigbee communication technologyCommunication Range≥ 50 mData Rate20-250 KBpsBattery2200mAh Li-ion BatteryExpected Hours of Operation17 hoursCharging TimeAround 3.5 hours for full chargeNumber of Scan60,000 scans per charge	Sealing	IP54
Radio Technology2.4 to 2.4835 GHz (ISM Band) frequency - Zigbee communication technologyCommunication Range≥ 50 mData Rate20-250 KBpsBattery2200mAh Li-ion BatteryExpected Hours of Operation17 hoursCharging TimeAround 3.5 hours for full chargeNumber of Scan60,000 scans per charge	Wireless	
Communication Range≥ 50 mData Rate20-250 KBpsBattery2200mAh Li-ion BatteryExpected Hours of Operation17 hoursCharging TimeAround 3.5 hours for full chargeNumber of Scan60,000 scans per charge	Operating Modes	Synchronous, Asynchronous and Batchmode
Data Rate20-250 KBpsBattery2200mAh Li-ion BatteryExpected Hours of Operation17 hoursCharging TimeAround 3.5 hours for full chargeNumber of Scan60,000 scans per charge		2.4 to 2.4835 GHz (ISM Band) frequency - Zigbee communication technology
Battery2200mAh Li-ion BatteryExpected Hours of Operation17 hoursCharging TimeAround 3.5 hours for full chargeNumber of Scan60,000 scans per charge	Communication Range	≥ 50 m
Expected Hours of Operation17 hoursCharging TimeAround 3.5 hours for full chargeNumber of Scan60,000 scans per charge	Data Rate	20-250 KBps
Charging Time Around 3.5 hours for full charge Number of Scan 60,000 scans per charge	Battery	2200mAh Li-ion Battery
Number of Scan 60,000 scans per charge	Expected Hours of Operation	17 hours
	Charging Time	Around 3.5 hours for full charge
Certificates	Number of Scan	60,000 scans per charge
	Certificates	

FCC Part15 Class B, CE EMC Class B

Contact Us



244 Soi Pattanakarn 53, Suanluang, Suanluang, Bangkok 10250 Thailand Tel : (66) 0-2322-9535, 0-2722-4040 Fax : (66) 0-2322-7990 www.cps.co.th • www.facebook.com/cps.co.th

