flexpoint™ HS-2R
Product Overview

The HS-2R is the world's first Bluetooth 1D/2D barcode scanner and RFID reader, designed specifically for use in healthcare and medical environments.

In addition to reading all popular linear (1D) and matrix (2D) barcodes, the dual-functional HS-2R can read and write to HF RFID tags (13.56MHz) and supports a wide range of HF standards.

The highly-durable design of the HS-2R protects the device in demanding medical applications where exposure to liquid and multiple drops to hard hospital floors are common. Also, the HS-2R's medical-grade housing allows frequent cleanings with harsh cleansing solutions for germ-free use and without fear of plastic degradation.

The HS-2R thrives in healthcare applications such as blood tracking, point of care, drug inventory, reagent scanning, surgical part tracking and more.

As with all JADAK products, the HS-2R can be tailored to meet specific customer requirements.

• *Bluetooth Enabled*
Powerful cordless reading and scanning without the cables

• *Powerful Barcode & RFID scanning in a small package*
Built for flexible scanning with today's medical technicians in mind

• *Sealed & Medical Grade Housing*
Compatible with medical grade cleansers and sealed from the environment the HS-2R is a reliable product

• *Powered by area imaging technology*
- Compatible with all popular 1D and 2D barcodes with improved scan performance on damaged barcodes
- Safe LED illumination
- Compatible with Clarity Machine Vision Software to add image analysis features

BARCODE • RFID ENABLED

2d   pdf   1d

IP54   Paperless Documentation   Medical Grade Plastics for Tough Cleaning   JADAK® visionary thinking

RFID Tag Compatibility

Technology	Notes
ISO 14443A	NTAG 203
ISO 15693	Texas Instruments
NXP Mifare	(Identive) Mifare Classic
ISO 14443A	(Identive) Topza 512
ISO 14443A	(Identive) My-d NFC SLE 66R32P
Sony Felica	(Identive) FeliCa Lite S
ISO 14443A	Mifare Ultralight C
ISO 15693	Icode SLI
ISO 14443A	Mifare Desfire EV1*
ISO 18000-3 Mode 3	

* UID only. Encrypted tags will be available on future versions.
Contact JADAK for more information

RF

RF Frequency:	13.56MHz
RF Data Rate:	26kbps ISO15693, 106K to 848K bps ISO14443
RF Power:	RF Power: 120mW nominal
Antenna:	Internal antenna
Read Range:	Contact to 1.0"+ (Tag dependent)

Scanning

Light Source:	Red LED Illumination
Rotational Sensitivity:	360 Degrees
Min X Dimension:	.017 mm (6.6 mils)
Reading Distance:	Up to 22.6cm (8.9 in) (This assumes a 13mil bar code element)
Ambient:	Total Darkness to 100,000 Lux (Sunlight)
Symbologies - 2D:	PDF417, MicroPDF417, Maxicode, Data Matrix, QR Code, Aztec, Aztec Mesa, Code 49, UCC Composite
Linear:	Code 39, Code 128, Codabar, UPC, EAN, Interleaved 2 of 5, Reduced Space Symbology, Code 93, Codablock
OCR Fonts:	OCR-A and OCR-B

Electrical

Communications:	USB (Keyboard or COMM Port)
Power Supply:	5VDC +/- 5%
Scanning Current (In Base):	500mA max.
Idle Current (In Base):	200 - 400mA (Based on Battery Charge Level)
Agency:	FCC Class B, CE

Environmental

Operating Temperature:	32° F to 104° F (0° to 40°C)
Relative Humidity:	95% RH non-condensing, at +40°C
Agency:	RoHS and WEEE Compliant
Environmental Sealing:	IP54 Sealed Housing
Recommended Cleaning Solutions:	Sani-Cloth® HB, Sani-Cloth® Plus, Super Sani-Cloth®, Isopropyl Alcohol Wipes (70%), Cavi-Wipes, Betadine®, 409®, Windex® Blue, Hydrogen Peroxide (3%), Clorox® Bleach, Gentle Dish Soap and Water

1.44"
36.5 mm

2.02"
51.3 mm

4.6"
116.8 mm

1.31"
33.4 mm
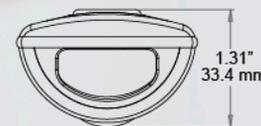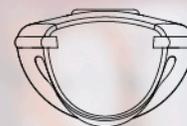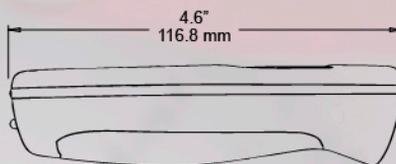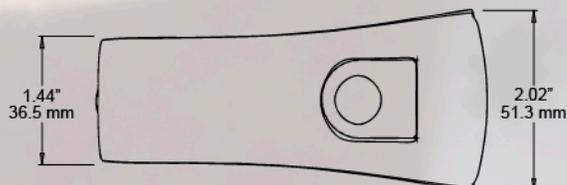
All specs subject to change - Rev. 2.0