



# 520-2D Digital Scanner Specifications

Model	Description	Interface Cable
520-2D USB	Integrated USB 2-D Digital Bar Code Scanner	C40 USB

## Operational

Light Source	635 nm Illumination LED & 650 nm Aiming Laser
Scan Speed	104 frames/sec Image Capture
Scan Angle	47° ± 3°
Minimum Bar Width	2.5mil (.064mm) 90% PCS
Print Contrast	25% minimum reflectance differential
Indicators (LED)	Bi-Color LED Green/Decode - Orange/Scan
Beeper Operation	3 Tones, 3 Volume Levels, plus OFF
Scanner Interfaces	USB HID Keyboard
Bar Codes Supported (1D)	Code 39, Full ASCII Code 39, Trioptic Code 39, UPC-A, UPC-E, EAN-13, EAN-8, ISBN, Code 93, Code 11, Standard 2 of 5, Interleaved 2 of 5, Codabar, Code 128, UCC/EAN 128, MSI, Plessey, RSS-14 & RSS Variants
Bar Codes Supported (2D)	PDF414, microPDF417, Data Matrix, Maxicode, QR Code, US Postnet, US Planet, plus UK, Japan, Australian and Dutch Postnet Codes

## Physical

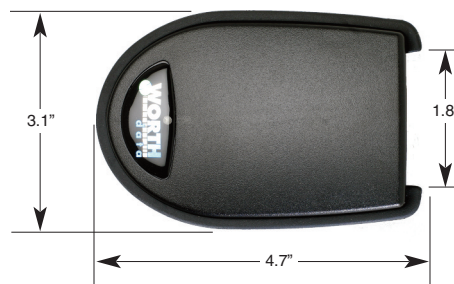
Height	5.6" (142mm)
Depth	4.7" (119mm)
Width	3.1" (79mm)
Weight	8.8 oz - 249g
Cables	C40 USB 6' (1800mm) Straight Cable

## Power

Input Voltage	5VDC ± 10%
Power (nominal)	220mA typical, 460mA peak
Laser Class	CDRH class II / IEC class 1
EMC	FCC part 15 class B, EN 55024m 61000-3-2, 61000-3-3

## Environmental

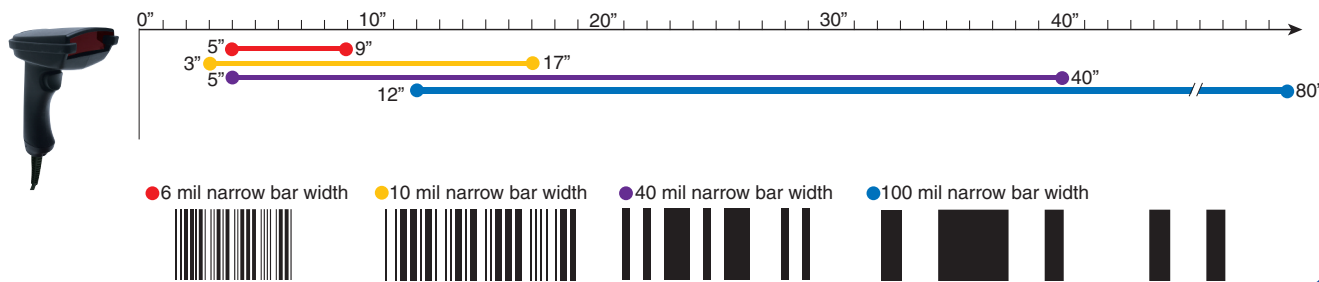
Operating Temperature	32°F to 122°F (0°C to 50°C)
Storage Temperature	-4°F to 140°F (-20°C to 60°C)
Humidity	5% to 95% non-condensing
Ambient Light Immunity	Sunlight: 10,000 ft. candles - Indoor: 10,000 ft. candles
Shock	5 drop to concrete
Warranty	3 Years - Parts & Labor



**CAUTION**  
LASER LIGHT WHEN OPEN  
DO NOT STARE INTO BEAM  
CLASS II LASER PRODUCT  
690 nm LASER • 1.0 MILLIWATT MAX OUTPUT

COMPLIES WITH US DHHS 21 CFR 104.0, © SUBCHAPTER J  
AND IEC 825-1:1999 EN 60825: ACHTUNG LASERSTRAHL  
LASERKLASSE 2, NICHT IN DEN STRAHL BLICKEN  
LUMIERE LASER - NE PAS REGARDER DANS LE  
FAISCEAU APPAREIL A LASER DE CLASSE 2  
WORTH DATA INC. • SANTA CRUZ, CA

## Scan Range for 510-2D Digital Scanner



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