KEYENCE

HR-X300WB
Rugged Industrial Handheld Code Reader Wireless

CE   cULus LISTED   Bluetooth

*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

Specifications

Model			HR-X300WB
Type			High Performance model
Wireless/wired			Wireless
Receiver	Number of pixels		1920×1200 × 2 cameras 2.3 megapixels × 2 cameras
	Sensor		CMOS image sensor
Light emitter	Light source		White LED
	LED risk group		Risk group 1 (IEC 62471)
	Aimer light source		Laser (red), Wavelength: 650 nm
	Laser class		Class 1 (IEC 60825-1)
Distance sensor			Time-of-flight (TOF) sensor
Reading specifications	Supported symbols	2D codes	QR, Micro QR, DataMatrix (ECC200), DMRE, GS1 DataMatrix, PDF417, Micro PDF417, GS1 Composite (CC-A, CC-B, CC-C), DotCode, Maxi Code, Aztec Code
		Barcodes	CODE39, ITF, 2of5 (Industrial 2of5), COOP 2of5, NW-7 (Codabar), CODE128, GS1-128, GS1 DataBar, CODE93, JAN/EAN/UPC, Trioptic CODE39, CODE39 Full ASCII, Pharmacode, Postal (Japan Postal, IMB)
	Minimum resolution	2D codes	0.127 mm 0.005"
		Barcodes	0.070 mm 0.003"
	Reading distance (reference value)	DataMatrix (Module size: 0.25 mm 0.01")	40 to 500 mm 1.57" to 19.69"
		DataMatrix (Module size: 0.50 mm 0.02")	10 to 600 mm 0.39" to 23.62"
		CODE39 (NB: 0.25 mm 0.01")	
		CODE39 (NB: 0.50 mm 0.02")	10 to 800 mm 0.39" to 31.50"
Status display output/buttons			OLED + Buzzer + Vibration + Function button
Communication	USB	Standard	USB 2.0 Full Speed
		Interface	USB-COM, USB keyboard, RNDIS
		Supported OS	Windows 11 Pro, Windows 10 Pro 32/64bit
	Bluetooth®	Standard	Bluetooth® 5.0 BR/EDR Class 1
		Profile	SPP/HID
		Supported OS	Windows 11 Pro, Windows 10 Pro 32/64bit
	Wireless LAN		IEEE802.11a/n 5.2 GHz, 5.3 GHz
Continuous usage time (reference value)			Approx. 15 hours[1]
Charging time			Approx. 10 hours
Charging method			Wireless charging

			USB charging (Type-C)
Dimensions			217 × 99.1 × 74 mm 8.54" × 3.90" × 2.91"
Rating	Power supply voltage	USB power supply	4.75 to 5.25 VDC
		AC adapter	—
	Current consumption	Max.	500 mA (USB powered)
		During standby	160 mA
Environmental resistance	Enclosure rating		IP65/IP67 (IEC 60529)
	Ambient temperature		-20 to +45°C -4 to 113°F
	Storage temperature		-20 to +60°C -4 to 140°F
	Charging temperature		0 to +40°C 32 to 104°F
	Relative humidity		Max. 95% RH (no condensation)
	Storage relative humidity		
	Oil resistance		IP67G/ISO 16750-1
	Chemical resistance		Supports sterilization with alcohol
	Static electricity resistance		Airborne: ±25 kV; Contact: ±10 kV; Indirect: ±10 kV[2]
	Electrostatic charge prevention		—
	Drop resistance		Concrete, 2.5 m 8.2' [3]
	Repeated drops		30 cm 11.81", 20,000 times[3]
Material			PC + TPU
Weight			Approx. 340 g 12.00 oz (main unit only) Approx. 400 g 14.12 oz (including battery)

[1] One reading every 20 seconds.
[2] Verify that no damage is caused.
[3] These are test values and are not guaranteed.
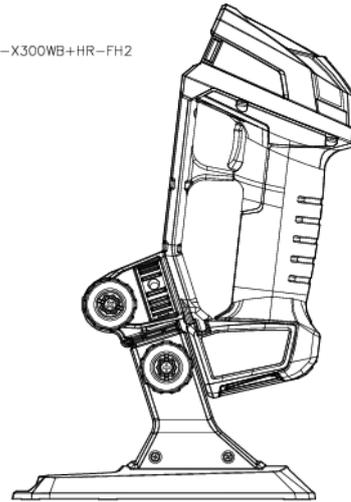
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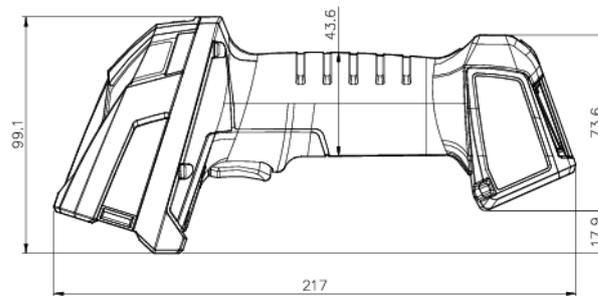
* Download CAD file or product manual for larger image/text and more detail.
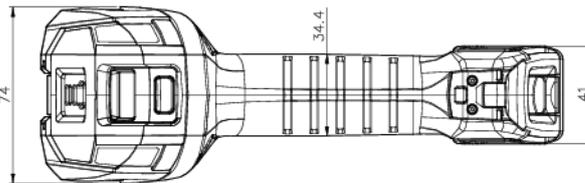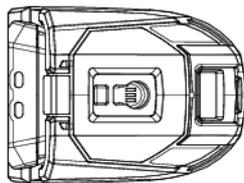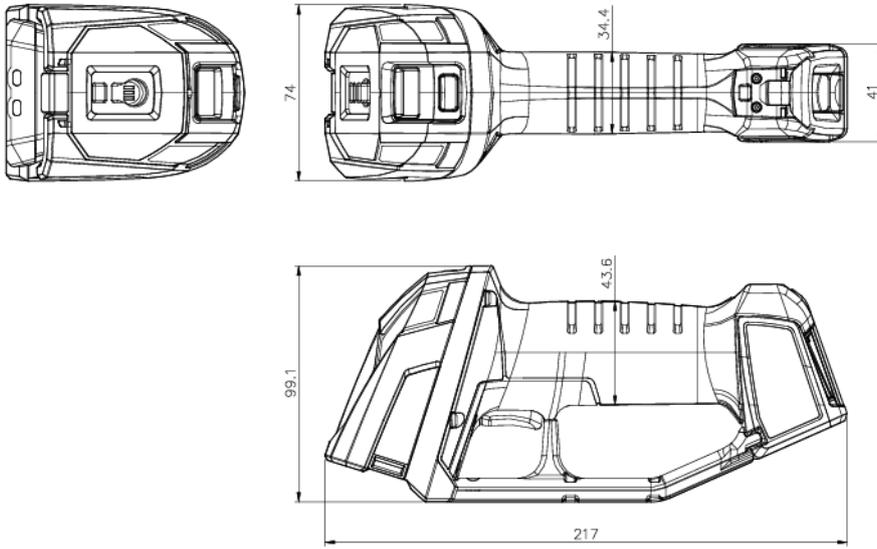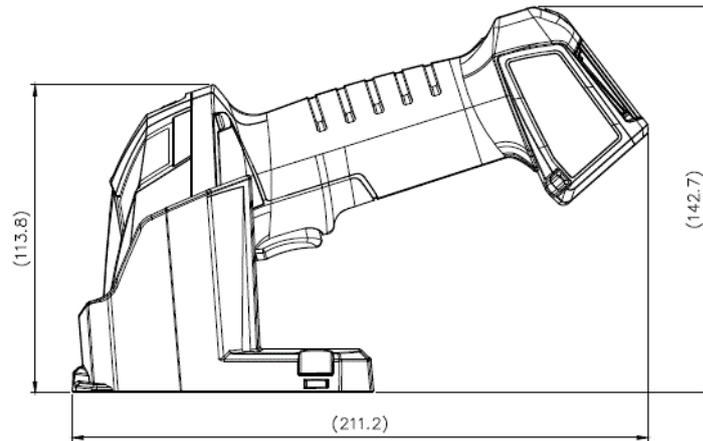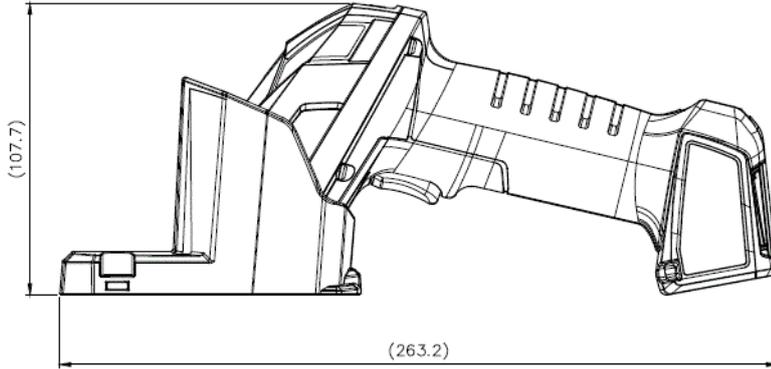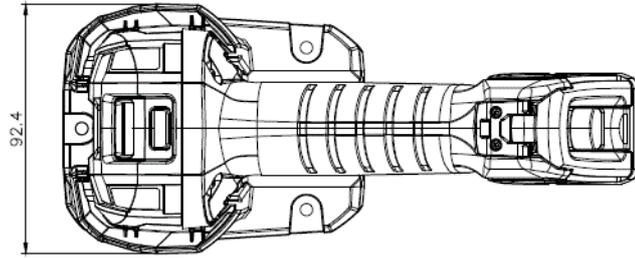
HR-ST2_HR-X300WB_X100WB

HR-X300WB+HR-HL2
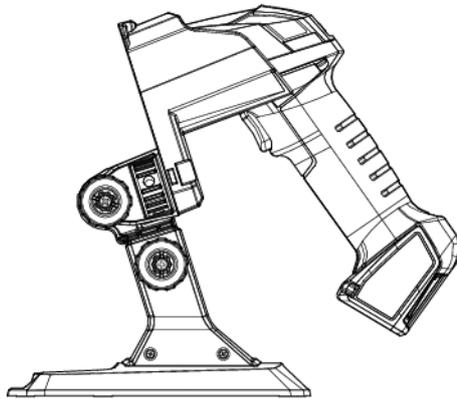
HR-X300WB+HR-FH2

HR-X300WB

34.4

74

41

43.6

99.1

73.6

17.9

217

HR-X300WB_HR-FH2

KEYENCE

HR-X300WB_HR-HL2

92.4

(107.7)

(263.2)

(113.8)

(142.7)

(211.2)

HR-X300WB_HR-UC2