LV 3296R

OEM Scan Engine

The LV3296R OEM scan engine, armed with the LongView patented **UIMG°**, a computerized image recognition system, brings about a new era of 2D barcode scan engines.

The LV3296R's 2D barcode decoder chip ingeniously blends **UIMG°** technology and advanced chip design & manufacturing, which significantly simplifies application design and delivers superior performance and solid reliability with low power consumption.

The LV3296R supports all mainstream 1D as well as PDF417, QR Code (M1/M2/Micro), Data Matrix and GS1-DataBar™(RSS) (Limited/ Stacked/ Expanded versions).

It can be both external scanner in assembly line, or as built-in scanner for various devices such as kiosk, ticket validators,etc.
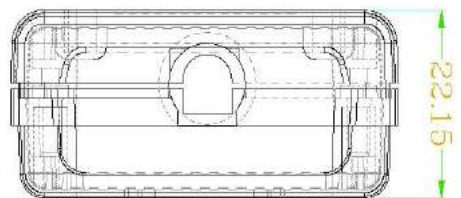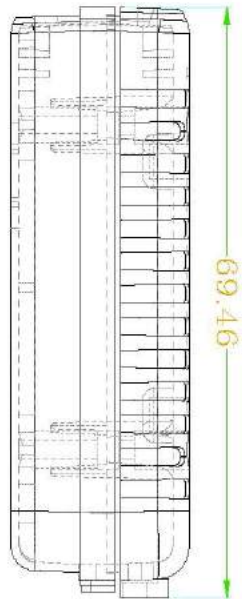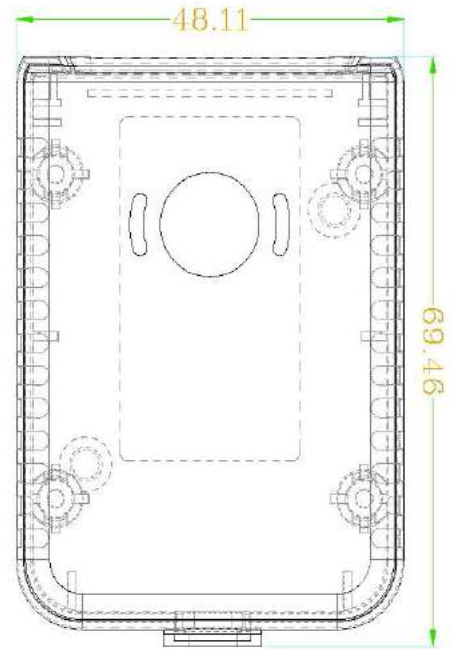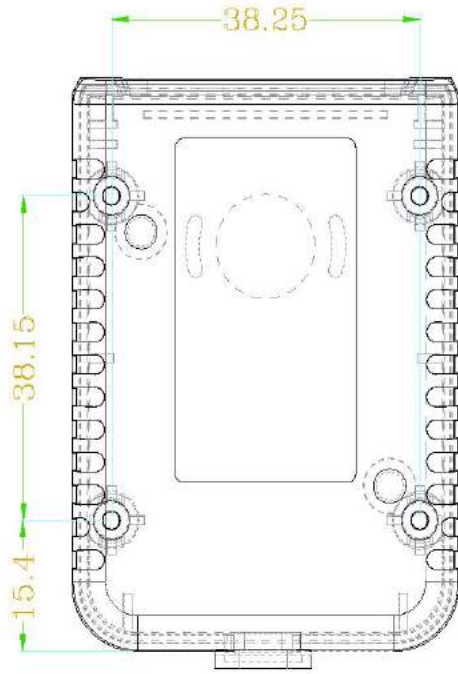
Features:

- **2D Barcode Decoder Chip:** The engine armed with the state-of-the-art 2D barcode decoder chip invented by LongView demonstrates unprecedented reading performance.

- **Two-In-One Design:** Seamless integration of CMOS image sensor and decoder board makes the engine small, lightweight and easy for integration.

- **High Performance & Ultra-Low Power Consumption:** The engine can read 1D and 2D barcodes with a power consumption only one third that of a traditional engine.

- **All-Round Scanning Capability:** It can read barcodes on virtually any medium - paper, plastic cards, mobile phones and LCD displays.

LV3296 R Specifications

Performance	Image Sensor		640×480 CMOS
	Light Source		Red LED 625±10 nm
	Symbologies	2D	PDF417, QR Code (QR1/2, Micro), Data Matrix (ECC200, ECC000, 050, 080, 100, 140), Chinese Sensible Code
		1D	Code128, UCC/EAN-128, AIM128, EAN-8, EAN-13, ISBN/ISSN, UPC-E, UPC-A, Interleaved 2 of 5, ITF-6, ITF-4, Matrix 2 of 5, Industrial 25, Standard 25, Code 39, Codabar, Code 93, Code 11, Plessey, MSI-Plessey, GS1-DataBar™(RSS), (RSS-14, RSS-Limited, RSS-Expand)
	Resolution		≥5mil
	Typical Depth of Field	EAN-13	45mm-380mm (13mil)
		Code 39	30mm-180mm (5mil)
		Data Matrix	20mm-115mm (10mil)
		QR Code	25mm-165mm (15mil)
		PDF 417	30mm-125mm (6.67mil)
	Symbol Contrast		≥30% reflectance difference
	Scan Angle**		Roll: 360°, Pitch: ±50°, Skew: ±50°
	Field of View		Horizontal 44°, Vertical 33.2 °
Mechanical/ Electrical	Interface		RS232, USB (HID-KBW, COM Port Emulation)
	Operating Voltage		3.0~3.6VDC
	Current@3.3VDC	Operating	210mA
		Standby	7mA
	Dimensions		69.46(L)×48.11(W)×22.15(H)mm
	Weight		80 g
Environmental	Operating Temperature		-20℃~+50℃（-4°F~122°F）
	Storage Temperature		-40℃~+70℃（-4°F~158°F）
	Humidity		5%~95% (non-condensing)
	Ambient Light		0~100000lux (natural light)

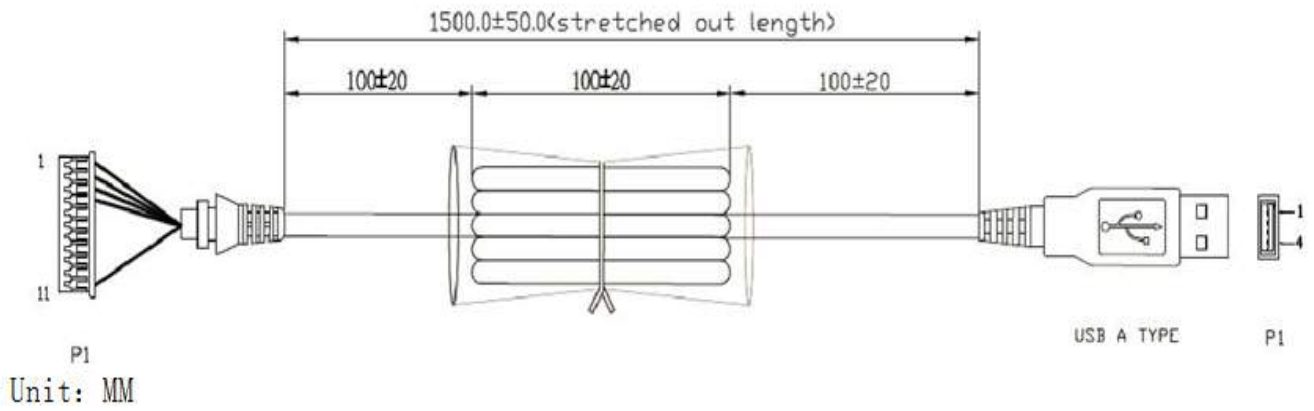# Dimension

Interface Cable Spec./ Definition

(1) RS232
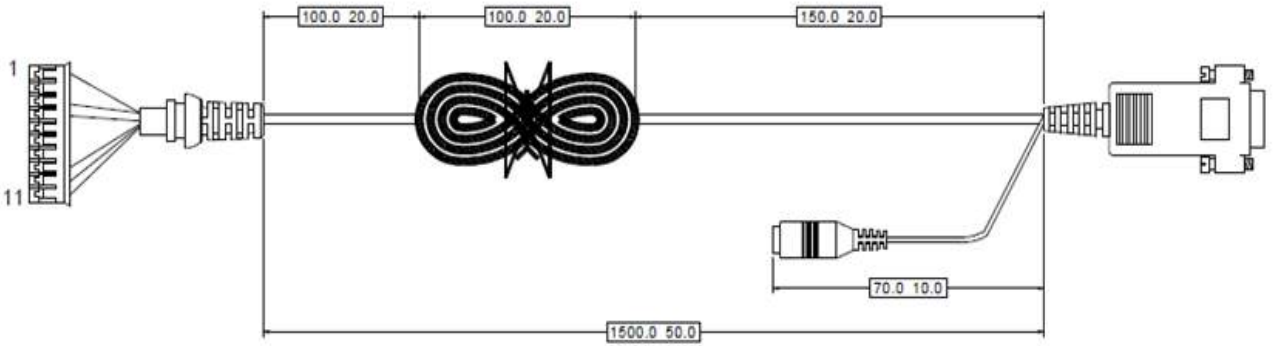
DB 9 Female

Pin No.	Function
2	TXD
3	RXD
5	GND
7	CTS
8	RTS
9	Vcc/+5V
Power Lead	Vcc/+5V

(2) USB

Unit: MM
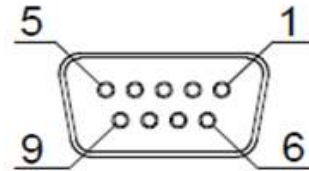
USB A TypeMale

Pin No.	Function
1	Vcc
2	D-
3	D+
4	GND