

LV3000R

Embedded 1D/2D Barcode Scanner



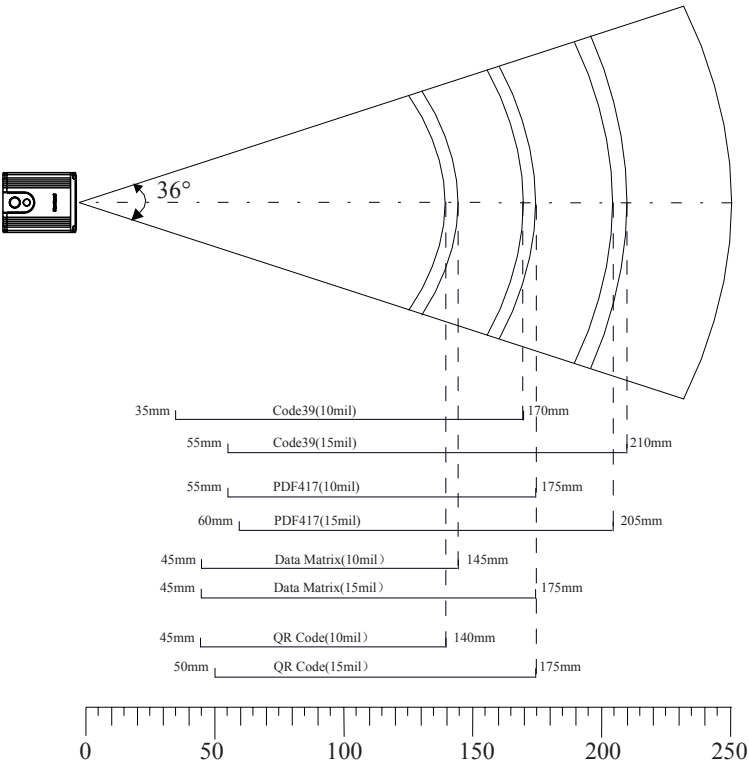
Designed for OEM applications, this high performance fixed 1D/2D CMOS scan engine can easily be integrated into various solutions such as kiosks, ticketing machines, (Reverse) Vending Machines, mobile ticket validators and many more.

Product Features

Field of View

- Ease of integration

Compact and easy to integrate design. The small form factor enables easy integration into various solutions. This 1D/2D fixed barcode scanner has an IP54 rating making it dust & water-proof.



LV3000R Specifications

Performance	
Image Sensor	CMOS
Resolution	752 * 480
Interface	RS232 / USB 1.1
Symbolologies	2D PDF417, QR Code(Model 1/2), DataMatrix(ECC200, ECC000, 050, 080,100,140), Aztec, Maxicode, etc.
	1D Code128, EAN-13, EAN-8, Code39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ISBN/ISSN, Code 93, etc
Precision	≥ 5mil
CMOS Acquisition	60 fps
Light Source	LED(617.5 nm – 633.5 nm)
Light Intensity	320 LUX (130 mm)
Depth of Scan Field	35mm ~ 210 mm
Print Contrast Signal	≥ 30%
Sensitivity**	Roll 360°@ 0°Pitch and 0° Skew
	Pitch ±60°@ 0°Roll and 0° Skew
	Skew ±60°@ 0°Roll and 0° Pitch

Mechanical/ Electricals	
Power Consumption	1.75W
Voltage	DC 5 .0V
Current	Max 420 mA
	Working 260 mA
	Idle 1 mA
Dimensions	60.0*50.0*26.0 mm
Weight	70g

Environment	
Operate Temperature	-5°C - +45°C
Storage Temperature	-40°C - +60°C
Humidity	5% - 95% (non-condensing)

Certificates	
FCC Part15 Class B, CE EMC Class B	

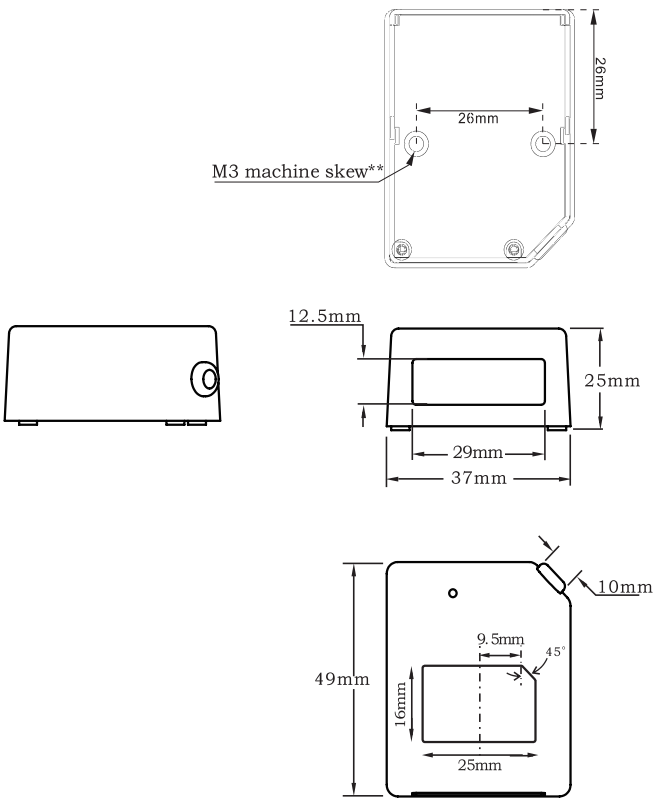
**Test Condition:
Code39: 4 Bytes ; Resolution = 10mil; W:N = 3:1 ; PCS = 1.0 ;
Barcode Height = 12mm; Distance = 100mm; T=23°C; Illumination= 200 LUX

Accessories

Flex Cable	
RS232 Cable	This cable connect to the RS232 port of LV3000R with a RJ45 port.
	With a standard female RS232 port to connect to standard male RS232 port.
USB Cable	With a power port to accept power adapter supply.
	This cable connect to the USB Slave port of LV3000R with a RJ45 port.
USB Cable	With a standard USB Slave port to connect to standard USB Host port.

Power	
Power Adapter	The power adapter for LV3000R by the CBL-LV3000R. Output: DC 5V, 2A; Input: AC100~240V, 50~60HZ.

Dimension (Unit: mm)



**Note: The length of the screw into LV3000R must be less than 5 mm.

Applicable Accessories

- Quick Set**
A platform for 2D barcode scanning configuration based on the Microsoft Windows. Quick set connects the scanner engine thru RS-232, users are able to modify the parameters for scanner engine in real-time through this Windows operation interface.
- Integration Manual / Programming Guide**
A manual to explain the user the basics of the scanner, how to integrate it and how to configure it. Furthermore, it enables the user to set the scanner to the specific wishes regarding scanning modes, readable barcodes and barcode formats.

Revisions

Version	Description	Date
Pre-release version	Initial version	20100707
Version 1.0	The dimensions of LV3000R have been modified.	20110713

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