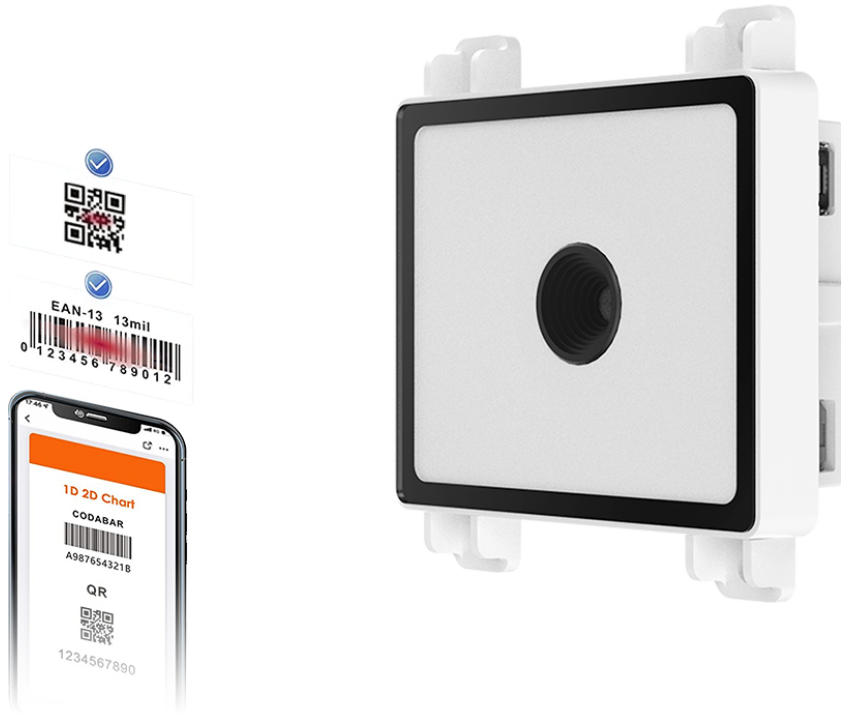




The 4th Generation Algorithm



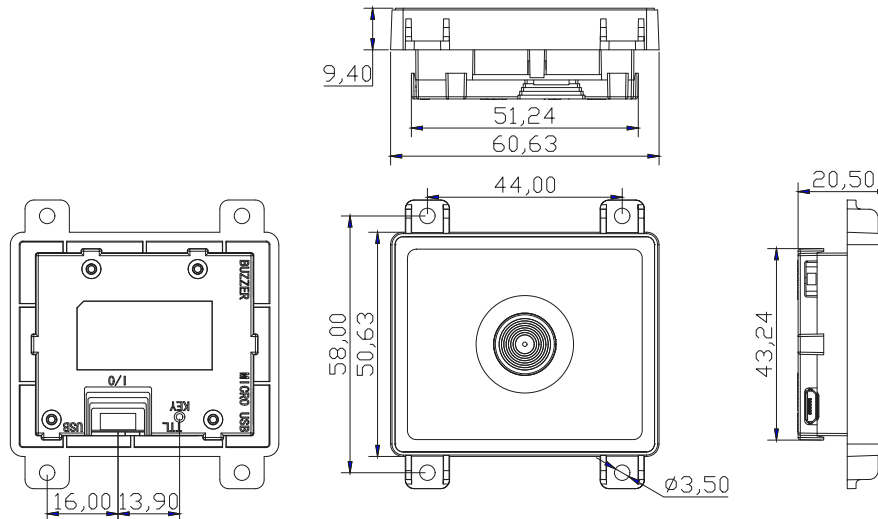
White LED Illumination



Multiple Scenarios

- ◆ The 4th generation I-SUBPIXEL algorithm easily and quickly scan various barcodes.
- ◆ High motion tolerance, easy to read with fast movements.
- ◆ White LED illumination, easily read paper barcodes.
- ◆ Various Interfaces: USB VCP / USB HID-KBW / USB HID-POS /TTL-232 .
- ◆ Applicable to face payment terminal, smart homes, lockers, self-service inquiry terminal, queuing, calling equipment and other intelligent scenarios.
- ◆ Support Linux, Android, Windows and other systems.

Size:
(mm)



Model		EM1431
Scan Code Performance	Sensor	640 x 480 CMOS@30fps
	Light Source	White fill light
	View Angle	Horizontal 70°, Vertical 55°
	Decoding Capability	2D: QR、PDF417、DataMatrix (ECC200)、Aztec、Micro QR、Han Xin Code、Maxicode、Micro PDF417、Code 16K 1D: EAN13、EAN8、UPC-A、UPC-E0、UPC-E1、Code128、Code39、Code93、CodaBar、Interleaved 2 of 5、Industrial 2 of 5、Matrix 2 of 5、Code11、MSI-Plessey、Standard 2 of 5、Plessey、China Post、GS1 Databar (RSS-Expand, RSS-Limited, RSS-14)
	Depth of Field	EAN-13: 15 ~ 125mm (13mil) Code128: 20 ~ 160mm (15mil) Wechat payment code: 15 ~ 270mm (6-inch screen mobile phone) Mobile phone QR code for taking bus: 50 ~ 160mm (6-inch screen mobile phone)
	Scan Angle	Rotation: 360°, Pitch: $\pm 60^\circ$, Deflection: $\pm 60^\circ$
	Precisions	1D $\geq 5\text{mil}$ / 2D $\geq 10\text{mil}$
	Symbol Contrast	$\geq 25\%$
	Motion Tolerance	$\geq 80\text{cm/s}$ (Payment code)
Physical Parameters	Weight	< 30g
	Dimensions	65.1mm * 60.6mm * 20.5mm
	Interface	USB VCP / USB HID-KBW (Default) / USB HID-POS / TTL-232 / RS232 / RS485 (Choose one of three)
	Voltage	DC +3.3V (optional: +5V ~ +30V ($\pm 5\%$))
	Current	160mA@5V supply power
Environmental Parameter	Shock	5~200Hz, 10Grms, 3axes, 1.5Hr
	ESD Protection	Contact Discharge $\pm 6\text{KV}$ / Air Discharge $\pm 12\text{KV}$