LV3000U

Fixed Mount Barcode Scanner
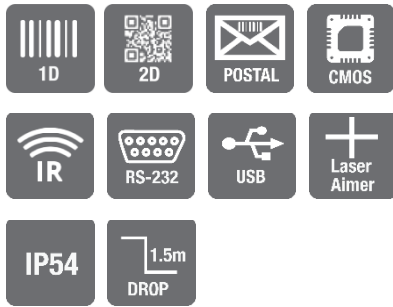
1D | 2D | POSTAL | CMOS

IR | RS-232 | USB | Laser Aimer

IP54 | 1.5m DROP

Features

IR/Light Triggers

The combination of IR sensor and light sensor exhibits an improved sensitivity in activating the scanner to scan barcodes as they are presented, to achieve higher throughput and productivity.

Automatic Exposure Control (AEC)

The sensors in the LV3000U automatically adjust the brightness of supplementary lighting based on the light reflected off barcode.

IP54-sealed Housing

The LV3000U is environmentally sealed to an IP54 rating to prevent dust, moisture and other contaminant from entering it.

Unmatched Reading Performance

Armed with Rakinda's fifth-generation of UIMG® technology, the LV3000U is capable of reading 1D as well as high-volume 2D barcodes on the screen covered with protective film.

Highly Visible Laser Aimer

The LV3000U provides a laser-generated crosshair aiming pattern that is clear and bright even in bright sunlight, ensuring first time accurate aim.

1.5m Drop Resistance

The scanner withstands multiple 1.5m drops to concrete (for six sides, three drops per side).

Application Scenarios

Self-service cabinets used in e-commerce, express delivery services and smart homes; ticket validators; kiosks; barrier gates; O2O applications.

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Fixed Mount Barcode Scanner

Performance	Image Sensor		1280 * 800 CMOS
	Illumination		White LED
	Aiming		Laser diode or green LED
	Symbologies	2D	PDF417, QR Code, Data Matrix, AZTEC, CSC, Maxicode, Micro QR, Micro PDF417, GM , Code One, etc.
		1D	EAN-13, EAN-8, UPC-A, UPC-E, Code 128, Code 39, Codabar, UCC/EAN 128, RSS, ITF, ITF-14, ITF6, Standard 25, Matrix 25, COOP 25, Industrial 25, Plessey, MSI Plessey, Code 11, Code 93, Code 49, Code 16K, etc.
	Resolution*		≥3mil
	Typical Depth of Field*	EAN-13	55-360mm (13mil)
		Code 39	70-180mm (5mil)
		PDF417	55-160mm (6.7mil)
		Data Matrix	50-170mm (10mil)
		QR Code	40-210mm (15mil)
	Scan Mode		Sense mode, Continuous mode, Level mode, Pulse mode
	Scan Angle**		Roll: 360°, Pitch: ±55°, Skew:±55°
	Field of View		Horizontal 51°, Vertical 32°
	Min. Symbol Contrast*		25%
Mechanical/ Electric	Interface		RS-232, USB
	Dimensions		41.5(W)×49.5(D)×24.3(H)mm
	Weight		75g
	Notification		Beep, LED indicator
	Rated Power Consumption		1622mW (typical)
	Operating Voltage		5VDC±5%
	Current @ 5VDC	Operating	276.8mA (typical), 322.7mA (max.)
		Standby	83.3mA
Environmental	Operating Temperature		-20℃ to 60℃ (-4°F to 140°F)
	Storage Temperature		-40℃ to 70℃ (-40°F to 158°F)
	Humidity		5% to 95% (non-condensing)
	ESD		±14 kV (air discharge), ±8 kV (direct discharge)
	Drop		1.5m
	Sealing		IP54
Certifications			FCC Part15 Class B, CE EMC Class B, RoHS, IEC60825, IEC62471, KC
Environmental	Cable	USB	Used to connect the LV3000U to a host device.
		RS-232	Used to connect the LV3000U to a host device.
	Power Adapter		DC5V adapter to power the LV3000U with RS-232 cable.