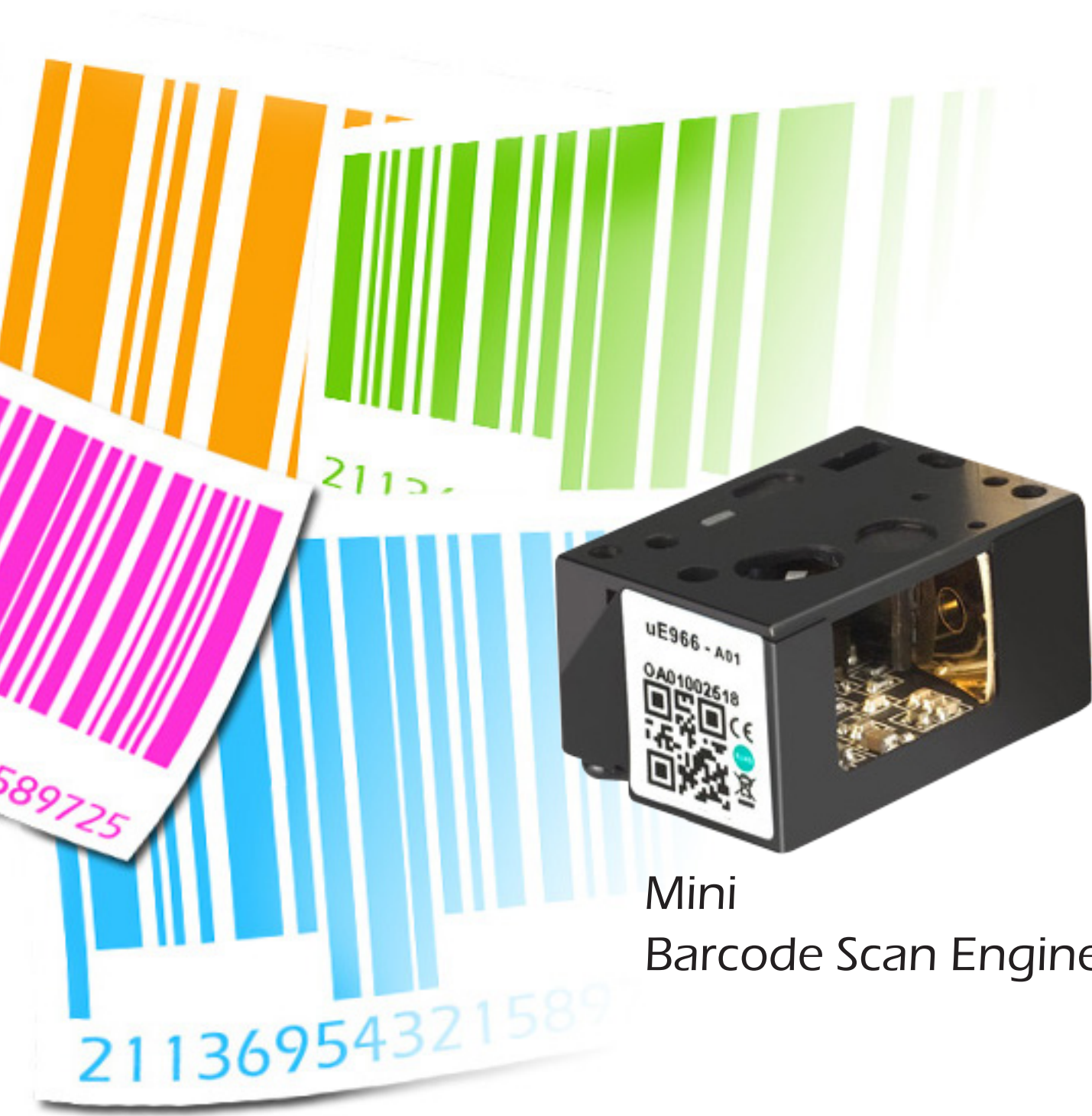


1D Laser Scan Engine

uE-966



Mini
Barcode Scan Engine

1D Laser Scan Engine

uE-966



Features

1. Compatible with the physical interface and parameter settings of other brands' models.
2. High performance scan rate at 100 scans/sec
3. Fully tested and certified including laser safety, durability, vibration, ESD, RF immunity and emissions, etc.

Specifications

Specifications at 25°C

Performance Characteristics			
Laser	650nm laser diode	Scan mode	Good-read off, Momentary, Alternate, Continuous, Host
Scan rate	100±10 scans/second	Firmware upgrade	Online
Scanning angle	±50°, ±65°, ±35° (Skew, Pitch, Roll)		
Decode capability	UPC-A, UPC-E, EAN-13, EAN-8, ISBN/ISSN, Code 39, Code 39 full ASCII, Code 32, Trioptic Code 39, Interleaved 2 of 5, Industrial 2 of 5 (Discrete 2 of 5), Matrix 2 of 5, Codabar (NW7), Code 128, Code 93, Code 11 (USD-8), MSI/Plessey, UK/Plessey, UCC/EAN 128, China Post, GS1 DataBar (formerly RSS) variants		
Programming method	Method I: Manual (scanning special barcode in sequence) Method II: send command via UART interface		
Decoding depth & Max. resolution	(1 mil = 0.0254 mm)	15 mil: 23-380 mm	
	4 mil: 42- 75 mm	20 mil: 35-490 mm	
	5 mil: 40-105 mm	30 mil: 30-650 mm	
	10 mil: 10-250 mm	55 mil: 75-900 mm	
Physical Characteristics			
Dimensions	Height × Width × Depth: 12.0mm × 21.6mm × 15.5mm (maximum)	Indicator interface	To control external Beeper and LED
Weight	8.00±0.25g	Interface supported	UART
Cable	Tapered 12-pin flex strip (12 x 0.5mm)		
User Environment			
Power	Input voltage	3.3 VDC ± 5%	Temperature
	Scanning current	75mA typical/85mA maximum	
	Standby current	<8µA	Humidity
Regulatory			
Mechanical vibration	IEC 60068-2-6	Mechanical shock	IEC 60068-2-27
	Un-powered engine withstands a random vibration along each of the X, Y and Z axes for a period of one hour per axis, define as follows: 20 to 80 Hz Ramp up to 0.04G2/Hz at the rate of 3dB/oct 80 to 350 Hz 0.04G2/Hz Mechanical vibration 350Hz to 2000Hz Ramp down at the rate of 3dB/oct		Shock pulse: 0.5ms, Maximal acceleration: 1500G, Shock direction & time: ±X-axis, ±Y-axis, ±Z-axis, 3 times for each direction, total of 18 times.
ESD protection	EN 55024 (IEC 61000-4-2, contact discharge: +/-4KV, air discharge: +/-8KV),	RF immunity	IEC 61000-4-3, 10V/m
	IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-11	Power emission	EN 55022, class B; EN61000-3-2; IEC 61000-3-3
		Artificial light immunity	100,000 lux

*Specifications subject to change without notice.

