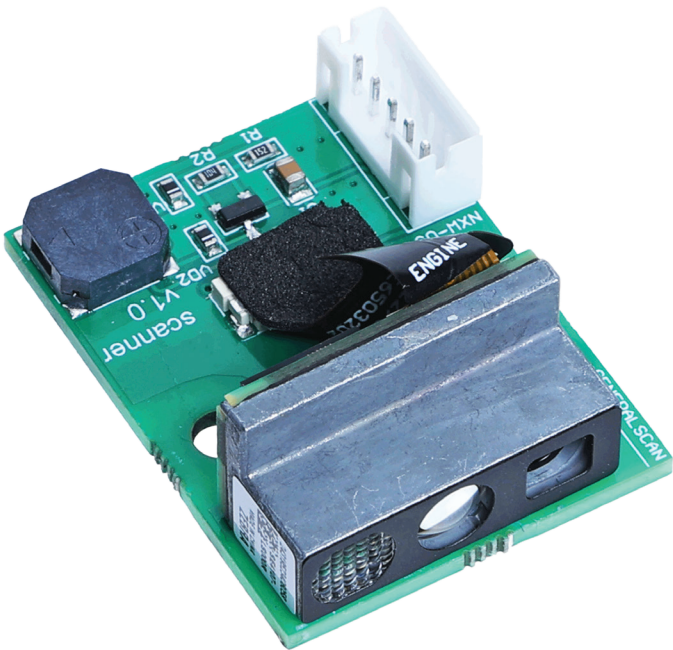


GMA3527-E Smart Scan Module

The GMA3527-E delivers best-in-class scanning performance and unmatched scanning range. It effortlessly reads standard 100% UPC-A barcodes from as close as 46mm to as far as 495mm, offering the widest working range in its category. This extended range minimizes the need for exact positioning, reducing the time needed for each scan and increasing overall productivity. Ideal for retail, logistics, and warehousing, the GMA3527-E ensures fast, accurate scanning across a broad range of distances, helping operators work more efficiently.

FEATURES

- Green LED Aiming**
The green aiming is more visible to human eyes, especially in bright or outdoor conditions. In addition, it provides better contrast against various backgrounds.
- White Rectangular Illumination**
The white illumination offers more natural color rendering, which helps in reading colored barcodes or labels.
- Optical Resolution of 1280x960 pixels**
With this resolution, GMA3527-E can capture virtually any barcode printed on paper labels or displayed on mobile phones.



PERFORMANCE CHARACTERISTICS

Sensor	2D CMOS Image
Optical Resolution	1280*960 pixels
Illumination	Warm White LED
Aiming	Green LED
Field of View	Horizontal 44.5°, vertical 33.5°
Screw, Pitch, Roll	Skew tolerance: ±60° from normal Pitch tolerance: ±60° from normal Roll tolerance: 360° from normal
Supported Symbolologies	1D: Code39, Code128, Codabar, Code11, UPC/EAN, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Matrix 2 of 5, Korean 3 of 5, GS1 Databar, Code93, MSI, Composite 2D: PDF417, Postal Codes, Micro PDF, Micro PDF417, Code128 Emulation, Aztec, Data Matrix, GS1 Data Matrix, QR Code, GS1 QR, Maxicode, Micro QR, Han Xin, Grid Matrix, Dot Code, OCR

PHYSICAL PARAMETER

Dimension	35.3 x 26.8 x 12.9mm
Weight	9.2g
Operation Voltage	DC 3.3V
Operation Current	135mA
Interfaces	Serial Port

USER ENVIRONMENT

Ambient Light	Max 107,639lux (direct sunlight)
Operating Temperature	-20°C~50°C
Storage Temperature	-30°C~70°C
Humidity	Operating 95% RH, non-condensing at 50°C Storage 85% RH, non-condensing at 70°C
Electrostatic Discharge (ESD)	±8kv DC discharge, ±15kv air discharge
Certificates	CE, FCC, KC, TELEC, RoHS, EAC ANATEL, NOM

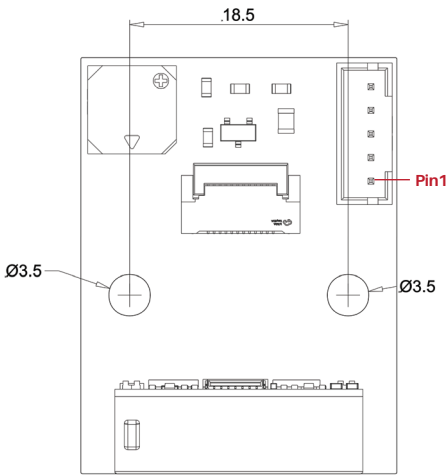
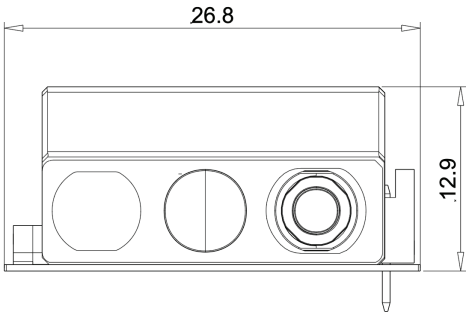
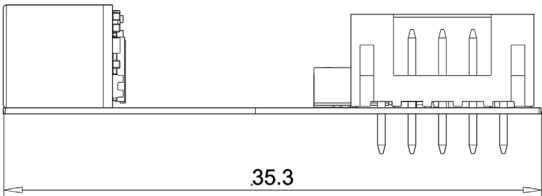
PRODUCT SPEC SHEET

Smart Scan Module GMA3527-E

DECODE RANGES

5 mil Code 39	61.0 - 241.0 MM
5 mil Code 128	71.0 - 229.0 MM
6.6 milPDF417	61.0 - 203.0 MM
10 mil DataMatrix	74.0 - 216.0 MM
100% UPC-A	46.0 - 495.0 MM
15 mil QR Code	30.0 - 292.0 MM
20 mil QR Code	30.0 - 356.0 MM

DIMENSIONS



PIN	Definition	I/O	Description
1	GND	-	Power Ground
2	+3.3V	-	Power
3	TXD	O	Transmit
4	RXD	I	Receive
5	TR	I	Trigger key input

GENERALSCAN

+1 732 391 7747
+90 542 478 5873
+1 732 391 7747
sales@generalscan.cloud

Generalscan Inc.
Generalscan LLC
Generalscan Electronics GmbH