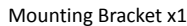


Accessories

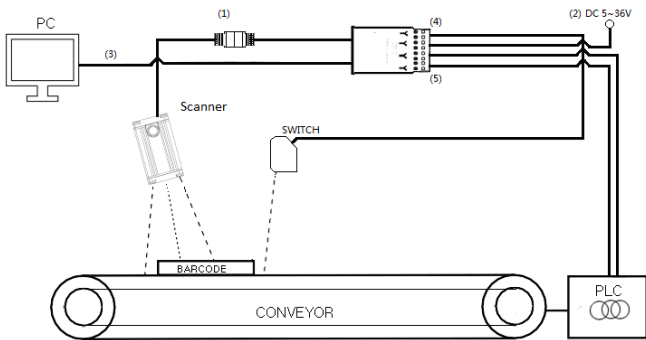


Scanner Outline



Status Indicator	
Status	Color
Good: Good Decode	Green
NG: Decode Failed	Red
Tune: Tuning Mode	Blue

Installation



For initial setup, please follow the instructions provided in the diagram to connect and install the barcode scanner:

1. Connect the barcode scanner to the cable using the aviation connector.
2. If using a USB cable, no external power supply is needed; otherwise, connect to a 5~36V DC power source.
3. Connect the communication port to a PC or data terminal, supporting RS232, USB, and Ethernet modes (based on order specifications).
4. For "External Trigger Input Mode," connect to an external sensor or PLC.
5. Connect pins 5-8 for feedback signals (OK or NG) to an external device.

I/O Extension

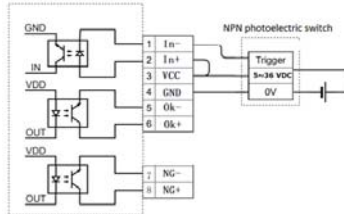
Pin	Signal	Function
1	Photoelectric switch input (-)	Trigger signal input
2	Photoelectric switch input	
3	Power supply VCC (+) 5-36	
4	Power supply GND (-)	5-36 VDC
5	Good decode (-)	Good decode signal output
6	Good decode (+)	
7	Decode failed (-)	Decode failed signal output
8	Decode failed (+)	

Quick Guide

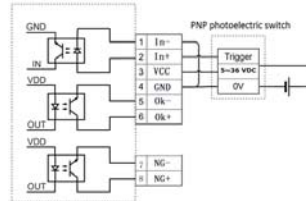
Fixed Industrial Scanner

Input Connection

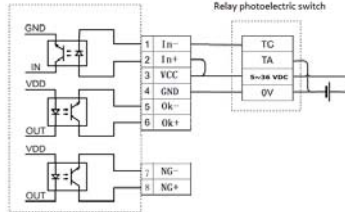
NPN Photoelectric Switch Input



PNP Photoelectric Switch Input

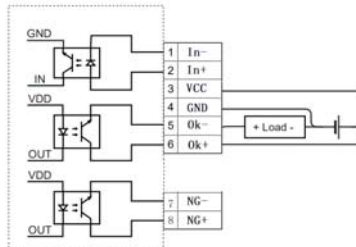


Relay Photoelectric Switch Input

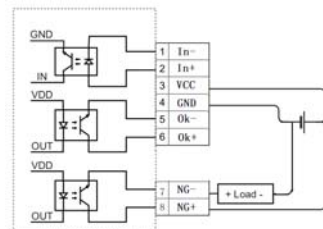


Output Connection

Output Good Decode Signal
(OK Indicator)



Output Decode Failed Signal
(NG Indicator)



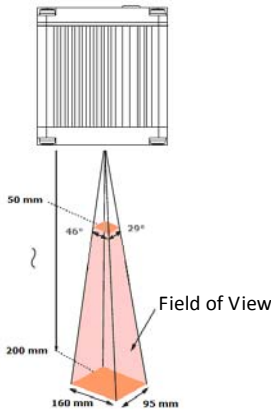
Performance and Specification

Operational	
Resolution	1280 (H) x 800 (V) Megapixels
Field of View	Horizontal 46° (H), Vertical 29° (V)
1D Barcode Decoding	UPC A, UPC E, EAN 8, EAN 13, Code 128, Code 39, Code 93, Code 32, Code 11, Codabar, Plessey, MSI, Interleaved 2 of 5, IATA 2 of 5, Matrix 2 of 5, Straight 2 of 5, Pharmacode, RSS-14, RSS-14 Expanded, RSS-14 Limited, Composite Code-A, Composite Code-B, Composite Code-C
2D Barcode Decoding	PDF 417 , Micro PDF 417 , Data Matrix , QR , Micro QR , Aztec , MaxiCode
Interfaces	
Communication	RS232, USB (HID; CDC)
External Input	1-channel opto-isolated input (NPN/PNP/Relay)
External Output	2-channel opto-isolated output (Good; NG)
Power Supply	5-36 VDC (Connected to I/O control box)
Physical Characteristics	
Dimensions (mm)	36 (W) ×43 (D) ×24 (H)
Enclosure Material	Aluminum alloy
Enclosure Protection	IP65
Reliability	
Storage Temperature	-40°C~+70°C
Operating Temperature	-20°C~+50°C
Safety Specifications	CE EN55022 , FCC Part 15 Class B , CE EMC Class B

Depth of Field

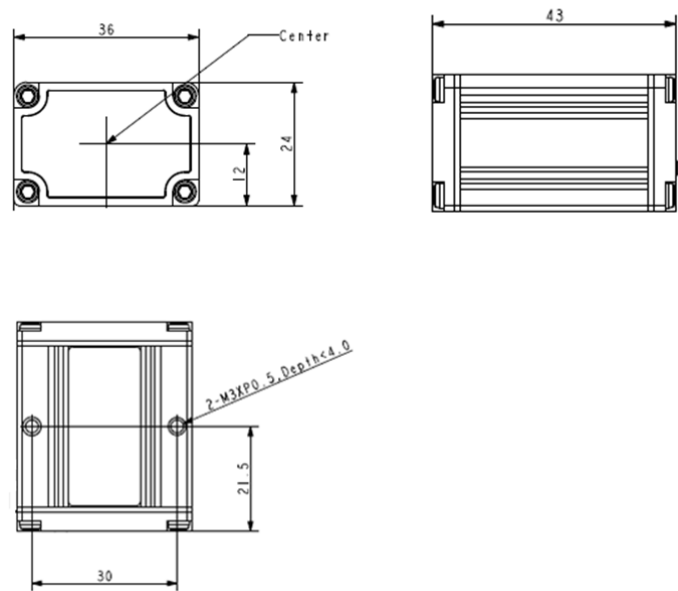
Reading Accuracy	1D : ≥4 mil ; 2D : ≥7 mil
DOF	Code 39 (5mil) : 55 mm ~ 170 mm EAN-13 (13mil) : 50 mm ~ 380 mm QR (7 mil) : 35 mm ~ 90 mm

Field of View



Reading Distance (mm)	Field of View (mm)	
	Horizontal (mm)	Vertical (mm)
100	85	55
150	130	70
200	160	95

Dimensions

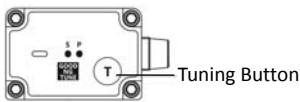


Test Barcodes

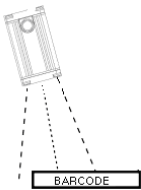


Intelligent Tuning

In continuous scan or sense mode, press the tuning button to activate tuning mode. Note: In level trigger or pulse mode, the tuning button functions as the scan button.



- Align the scanner with the barcode to be decoded. Positioning it with a recommended tilt angle ranging from 15° to 30° is advisable, as depicted in the illustration below.



- Initiate intelligent tuning by pressing the tuning button.
- Upon completion, the status light indicates the outcome: green for success and red for failure. Successful configurations are saved for immediate use after power restoration, eliminating the need for repeated tuning.



- Press the tuning button to revert to scanning operational mode.

Troubleshoot

If the scanner fails to operate normally, please follow these steps:

- Ensure proper scanner connection with secure data cable usage.
- Check if the scanning of the barcode has been enabled. If not, please allow scanning for the respective barcode type.
- Verify that the barcode labels are intact and of good quality.