

NT-36HD Fixed Mount Barcode Reader



PRODUCT OVERVIEW

Model	NT-36HD
Product Type	Industrial fixed-mount barcode scanner
Optical Version	HD (high density)

Scanning Performance

Decode Capabilities	1D and 2D barcodes
Image Sensor	1.3 megapixel CMOS
Sensor Resolution	1280 pixels (H) x 1080 pixels (V)
Illumination	10 red LEDs: 3 at the top, 3 at the bottom and 2 on each side
Aiming System	High-brightness red-dot aiming
Acquisition Rate	60 fps
Minimum Element Resolution	1D: ≥ 3 mil; 2D: ≥ 5 mil (HD)
Minimum Print Contrast	> 20% (UPC/EAN 100%)
Field of View	Horizontal: 43°; vertical: 36°
Supported Symbolologies	1D: UPC-A, UPC-E, EAN-8, EAN-13, Code 128, Code 39, Code 93, Codabar, Plessey, MSI, Interleaved 2 of 5. 2D: Data Matrix, QR Code, Micro QR, PDF417, MicroPDF417, Aztec, MaxiCode.
Trigger Modes	Automatic sensing, continuous scanning and pulse mode (external trigger)

Connectivity & Control

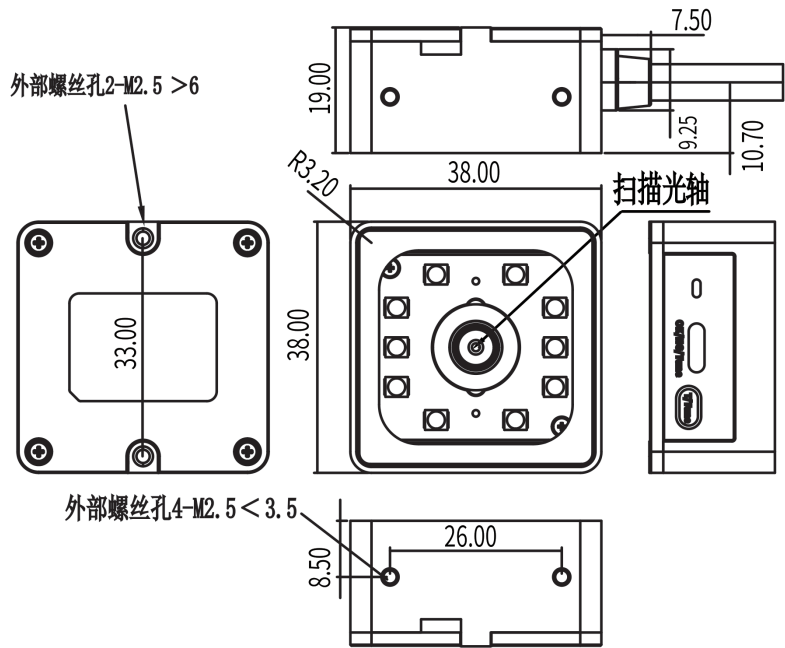
Host Interfaces	USB (HID / CDC), RS232; EA100 configuration: Ethernet / TCP/IP. Interfaces depend on the selected configuration.
External Trigger Input	1 opto-isolated input via an external trigger lead or optional control box
Control-box Outputs	Optional control-box version: 2 opto-isolated outputs (Good / NG)

Power	
Operating Voltage	Direct-connect version: 5 VDC. Optional control-box version: 5-24 VDC; the control-box Ethernet port supports PoE.
Standby Current	100 mA ±5%
Operating Current	300 mA ±5% typical; 450 mA ±5% maximum

Physical Specifications	
Dimensions	38 (W) x 38 (D) x 19 (H) mm; see mechanical drawing for mounting details
Weight	Approximately 40 g, excluding cable
Enclosure Material	CNC-machined aluminum alloy
User Feedback	Buzzer and LED indicator

Environmental & Compliance	
IP Rating	IP65
Drop Resistance	1.5 m
Operating Temperature	-20°C to +50°C
Storage Temperature	-40°C to +70°C
Relative Humidity	5%-95%, non-condensing
Certifications	FCC Part 15 Class B; CE; EMC Class B

Mechanical Dimensions



Unit : mm

Original source drawing. Dimensions in millimeters; mounting-hole annotations are retained as supplied.

Typical Depth of Field - HD

