

NT-430 Compact Fixed Barcode Scanner



Specifications	
Performance and Technical Parameters	
Resolution	1080 (H) × 1280 (V), 1.3M high-performance sensor
Illumination	4 × LED, 3000K warm white light source
Main Chip	ARM Cortex-A7, 1.2GHz high-performance CPU, MIPI interface
Aiming Indicator	High-brightness red dot aiming
Reading Modes	Auto-sensing, continuous mode, pulse mode (external trigger)
Field of View	Horizontal (H) 36°, Vertical (V) 43°
1DBarcode Symbolologies	UPC A , UPC E , EAN 8 , EAN 13 , Code 128 , Code 39 , Code 93 , Code 32 ,Code11 ,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
2DBarcode Symbologie	PDF 417 , Micro PDF 417 , Data Matrix , QR , Micro QR , Aztec , MaxiCode
Motion Tolerance	Continuous Scan Mode: 0.5 m/s External Trigger Mode: 1.0 m/s
Data Interface	
Communication	RS232, USB (HID ; CDC),
External Input	For models with external trigger line or detached cable: 1 opto-isolated input (NPN/PNP/Relay)
External Input	(Good ; NG)
Power Supply	5VDC
Physical Characteristics	
Dimensions	38 (W) × 38 (D) × 19 (H) mm (excluding SR part)
Weight	Approx. 40 g (excluding cables)

Housing Material	PC+ABS, durable 100~110
Housing Protection	IP65
Reliability	
Storage Temperature	-40℃~+70℃
Operating Temperature	-10℃~+50℃
Relative Humidity	5%~95%(non-condensing)
Ambient Light	0~8,600Lux 0~100,000Lux
Safety Standards	CE EN55022 , FCC Part 15 Class B , CE EMC Class B
Operating Vibration	10 ~ 150 Hz, 0.5 G, 3 axes, 1 min/oct, 1 time/axis
Durability Vibration	10~ 150HZ, 2G , 3 axes, 1min/oct , 20 次/axis

Typical Depth of Field (DOF)		
Adjustable Focal Range	HD	SR
DOF	Code39 (3mil): 40~140mm QR (5mil) : 45 ~105mm Code39 (5 mil) : 35 ~210 mm EAN-13 (13 mil) : 30 ~320mm	Code39 (3 mil) : 45 ~150 mm Code39 (5 mil) : 30 ~255 mm EAN-13 (13 mil) : 30 ~500mm
* Test Conditions: Ambient temperature = 23℃, ambient illumination = 300 Lux, using designated test barcode. ** Test Conditions: Test distance = (minimum DOF + maximum DOF)/2, ambient temperature = 23℃, ambient illumination = 300 Lux.		