

AK-T300

2D WIRED BARCODE SCANNER



■ Aesthetically appearance design

The top cover adopts two-color mold design, with smooth outline and great visual impact.

■ Trigger life over 10 million times

The trigger has a unique silicone protection design, and the life of trigger over 10 million times.

■ Plug and Play

Plug and play, no need to install any drivers, and compatible with all computers and POS devices on the market. Support Windows, Android, Linux, and iOS.

■ Support all common barcodes

AK-T300 is based on the 2D CMOS principle and supports all common 1D and 2D QR codes. It can easily read 1D and 2D codes on paper and screen.

■ Support multiple interfaces

Support USB-HID, USB-COM, RS232 interfaces. Supports secondary development, and can provide technical support and SDK packages.



1D 2D barcode
scanning



300mm reading
distance



1.5m drop
resistance



Plug and Play

Ultra-long Scanning Depth Of Field

The AK-T300 uses high-performance CMOS sensor and professional two-dimensional lens, the scanning depth of field up to 300MM, and it has big advantage over similar products in the market.

Excellent Decoding Performance

Use 1G ultra-high main frequency chip with fast process speed. It has high scanning performance and use in various scenarios. The scanning speed is up to 60FPS.

Excellent Anti-drop Performance

AK-T300 has an internal anti-vibration buffer design and an external soft rubber wrapping design. It can easily survive multiple 1.5-meter drops and passed 1.5-meter drop test.

Performance Parameters

Light source type	Green LED aiming light, white LED illumination
Scanning principle	Imaging CMOS
Resolution	640*480
Trigger mode	Manual scan/continuous scan/auto-sensing scan
Scan Angle	Rotation angle 360°, elevation angle $\pm 65^\circ$, deflection angle $\pm 65^\circ$
Field of view	$\geq 5\text{mil}$
Scanning depth of field	EAN 13 55mm-300mm(13mil); Code39 60mm-180mm(5mil) QR Code 75mm-190mm(15mil); Code 128 50mm-160mm(5mil)
Bit Error Rate	1/5 million
Contrast	$\geq 20\%$
Communication interface	USB-HID, USB-COM, RS232
Decoding capability	1D:Codabar, Code 39, Code 32 Pharmaceutical (PARAF), Interleaved 2 of 5, NEC 2 of 5, Code 93, Straight 2 of 5 Industrial, Straight 2 of 5 IATA, Matrix 2 of 5, Code 11, Code 128, GS1-128, UPC-A, UPC-E, EAN/JAN-8, EAN/JAN-13, MSI, GS1 DataBar Omnidirectional, GS1 DataBar Limited, GS1 DataBar Expanded, China Post(Hong Kong 2 of 5), Korea Post. 2D:PDF417, Micro PDF417, QR Code、Data Matrix, MaxiCode, Aztec, HANXIN, Codeblock A, Codeblock F, GS1 Composite Codes.

Electrical Parameters

Voltage	DC5V $\pm 5\%$
Working current	300mA

Environmental Parameters

Working temperature	-20℃ - 50℃
Storage temperature	-40℃ - 70℃
Working humidity	5%~95% (no condensation)
Ambient light	0~100000LUX
Drop resistance	Can withstand 1.5m free fall

Physical Parameters

Scanner size	174*66*82mm
Material	ABS+PC
Weight	130g
Charging cable standard	1.5 meters

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