



RT217/ RT217A

2D Barcode Scan Engine



RT217: Separated Decoder

Camera: 21.6(L)*7.6(W)*8.1(H)

Decoder: 35.2(W)*35.0(D)*4.3(H)

- **Core technologies**

Adopt self-developed core decoding technology, with excellent 1 D/2D decoding performance.

- **Excellent screen code literacy**

For screen bar code to do special training, can adapt to the minimum brightness and all kinds of film large volume screen bar code.

Application

It can be widely used in all kinds of kiosks, access control, express cabinets, ticket gates, and various self-service application equipment.



RT217A: Integrated Decoder

Camera: 21.6(L)*7.6(W)*8.1(H)

Decoder: 35.2(W)*29.0(D)*11.0(H)

- **Multi-application mode optional**

Screen code mode, paper code mode can be perfectly balanced.

- **Discrete design**

Discrete design of the imager and decoding board, small size and lightweight, which makes it easy to adapt to various integrated applications.

Scanning performance	Image sensor	640H*480V		
	Lighting	White LED		
	Focus	Red LED (625 nm)		
	Reading Code	2D	PDF417, Data Matrix, QR Code , Micro QR Code	
		1D	Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, Interleaved 2of 5, ITF-6, ITF-14, ISBN, Code 93, UCC/EAN-128, GS1Databar, Matrix 2of 5, Code 11, Industrial 25, Standard 25, ISSN, Plessey, MSI-Plessey, AIM 128 etc	
	Reading accuracy	≥3 mil (Code 128)		
	Typical Depth of Field	EAN-13(13 mil)	50 mm-260mm	
		Code 39(5mil)	50 mm-115mm	
		QR Code (15 mil)	30 mm-170mm	
	Barcode sensitivity	Pitch	±60°(QR 30mil)	
Tilt		360°		
Skew		±60°(QR 30mil)		
View angle	Level 42°, vertical 31.5°			
Symbol Contrast	≥20% (Code 128)			
Mechanical/ Electrical parameters	Communication interface	TTL-232, USB 1.1		
	Weight	6.5g		
	Working voltage	3.3 VDC		
	Rated power consumption	720 mW (Typical value)		
	Current @3.3 VDC	Working current	218 mA (typical), 234 mA (maximum)	
		Standby current	52.8 mA	
	Working temperature	-20°C ~ +60°C		
Environmental parameters	Storage temperature	-40°C ~ +70°C		
	Relative humidity	5%~95% (no condensation)		

Test distance =(minimum depth of field + maximum depth of field)/2; The ambient temperature =23°C; ambient illumination =300 LUX incandescent 2 D : QR CODE; 10 Bytes; Minimum empty width =15 mil; PCS=0.8;

* Specifications are subject to change without prior notice*