AR3000 2D CMOS Handheld Barcode Scanner

Image Acquisition		
Image Sensor	CMOS image sensor	
Resolution	640 × 480 pixels (VGA)	
Frame Rate	100fps	
Field of View	Diagonal:45 °; Horizontal:36.9 °; Vertical: 27.8°	
Minimum Resolution	1D: 4 mil; 2D: 6 mil	
Reading Performance		
Depth of Field	Test Barcode	Depth of Field
	Code 39 4mil 10 Bytes	20~140mm
	ITF 25 7.5mil 18 Bytes	40~160mm
	EAN13 13mil 13 Bytes	40~280mm
	Code 128 14mil 15 Bytes	70~270mm
	QR 34mil 12 Bytes	25~280mm
Supported Symbologies	2D: QR Code, Data Matrix, PDF417, Han Xin Code, DotCode, etc.	
	1D: UPC-A, UPC-E, EAN-8, EAN-13, ISBN, Code 128, GS1-128, ISBT 128, Code 39, Code 93, Code 11, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, Standard 2 of 5, Codabar, MSI/Plessey, GS1 DataBar, etc.	
	Supports GS1-compliant barcodes	
Minimum Print Contrast	25% minimum reflective difference	
Optics		
Illumination	White LED	
Aiming	Red LED Dot	
Mechanical		
Dimensions	130 x 90 x 185mm (W × D × H)	
Housing Material	Flame-retardant ABS	
Weight	342 g	
Interfaces and Operation		
Host Interfaces	USB (standard), RS-232 Serial (optional)	
Cable	2 m USB (standard), RS-232 Serial cable (optional)	
Decode Modes	Trigger, Command, and Presentation modes	
User Indicators	LED	
Environmental		
Operating Temperature	-30°C to 70°C	
Storage Temperature	−40°C to 80°C	
Humidity	5% to 95% RH, non-condensing	
Ambient Light Immunity	Up to 100,000 lux	

Compliance and Reliability	
RoHS	Compliant
Safety	GB 4943.1-2011 and GB/T 2408
Electrical	
Input Voltage	5.0 VDC ±0.5 V
Operating Current	<300 mA
Standby Current	<20 mA



