

## B. 1D/2D Barcode Reader

### Modularized 1D/2D Barcode Scanner and Easy to Assemble

- Accurately decodes all 1D and 2D codes, even wrinkled, damaged or poorly printed
- 752×480 CMOS sensor captures high resolution images for decoding
- Horizontal 42° and Vertical 27.5° large scanning area



Technology	1D Code	2D Code
Read Condition	20 to 25 characters	100 to about 2,000 characters

### Efficient Scanning Performance

- Area-scanning features non-direction reading drive scanning performance
- 120 mm scanning distance

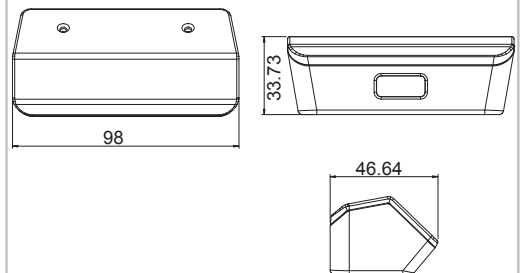


### AFL3-2D-R11 Specifications

Model	AFL3-2D-R11	
Image Sensor	752 × 480 CMOS	
Illumination	Red LED 625±10 nm	
Symbolgies	2D	PDF417, Data Matrix (ECC200,ECC000,050,080,100,140), QR Code, etc.
	1D	Code128, EAN-13, EAN-8, Code39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ITF-6, ITF-14, ISBN, Code 93, UCC/EAN-128, GS1 Databar, Matrix 2 of 5, Code 11, Industrial 2 of 5, Standard 2 of 5, Plessey, MSI-Plessey, etc.
Reading Precision	≥ 5mil	
Depth of Field	UPC-A	55mm - 305mm (13mil);
	PDF417	65mm - 175mm (6.67mil); 50mm - 215mm (10mil)
	Data Matrix	50mm - 220mm (15mil);
	QR Code	65mm - 235mm (15mil)
Symbol Contrast	≥ 25%	
Field of View	Horizontal 42°; Vertical 27.5°	
Scan Angle**	Roll: 360°; Pitch: ±55°; Skew: ±55°	
Interface	USB	
Operating Temperature	-20°C to +60°C	
Storage Temperature	-40°C to +80°C	
Humidity	5% to 95% (non-condensing)	
Ambient Light	0 ~ 100,000 LUX (natural light)	
Scanning prompt	Buzzer	



### AFL3-2D-R11 Dimensions (Unit: mm)



## C. Magnetic Card Reader

Model	AFLP-12AMSR-U-R11
Scan Speed	100 - 1000 mm / sec (3.9 - 39 inch / sec )
Direction	Bi-direction
Life Cycle	Approx. 300,000 passes
MTBF	24,000 hours
Interface	USB
Dimensions	21 cm X 11.7 cm X 5 cm
Weight	220 g
Temperature	-20 oC to 60 oC (-4 oF to 140 oF)
Humidity	20% to 95%

