

# PR-11

## 2D Barcode & Passport reader

The PR-11 is a high speed, omnidirectional 2D imager barcode scanner proving hands-free, ultra-fast 1D or 2D barcode scanning. In addition, it is designed to seamlessly scan many forms of identification including optimized reading of MRTD (Machine Readable Travel Document), making it the ideal solution in customs, airport security and identification control applications.



## Highlights

- High speed, omnidirectional 2D - scans up to 120 fps
- Rapidly scans and decodes 1D and 2D barcodes, from both MRTD (Machine Readable Travel Document) and from mobile device screens
- Incorporates an Opticon scan engine for improved scanning of low quality barcodes while providing exceptional motion tolerance for moving applications
- Smart design fits any desk, workspace or countertop
- Data editing program function captures up to 16 codes on multiple images simultaneously
- Ideal size for scanning different forms of identification
- Survives multiple 0.75 meter drops onto concrete
- Trigger modes: manual and auto-trigger
- Flexible cable outlet: 4 directions
- Communication interface: USB (HID, COM)
- Anti-microbial coating (white version)
- Available in black or white color
- Two year warranty



### Operating indicators

**Visual:** 2 LEDs (red, green, blue)

**Non-visual:** built-in speaker, tone adjustable

### Communication

**USB:** Full-speed 12Mbps (HID/COM)

### Power

**Voltage requirement:** 4.5 - 5.5V

### 2D Imager optics

**Light source:** 2 warm white aiming LEDs

**Scan method:** monochrome CMOS area sensor,  
1280 x 800 pixels

**Scan rate:** Up to 120 fps

**Scan area:** 82.7 x 125 mm, 3.26 x 4.92 in

**Image format:** Windows Bitmap, JPEG

**Reading pitch angle:** 0°, 360° for standard 1D/2D codes

**Reading skew angle:** 0°, 360° for standard 1D/2D codes

**Reading tilt angle:** 0°, 360° for standard 1D/2D codes

**Min. resolution at pcs 0.9:** 0.127 mm (Code 39)

**Min. pcs value:** 0.9

**Depth of field at UPC/EAN:**

0 - 50 mm (0.33 mm) / 0 - 1.97 in (13 mil)

**Depth of field at QR code:**

0 - 30 mm (0.381 mm) / 0 - 1.18 in (15 mil)

### Supported symbologies

**Barcode (1D):** JAN/UPC/EAN incl. add on, Codabar / NW-7, Code 11, Code 39, Code 93, Code 128, GS1-128 (EAN-128), GS1 DataBar (RSS), IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISMN-ISSN, Matrix 2of5, MSI/Plessey, UK/Plessey, S-Code, Telepen, Tri-Optic

**Postal code:** Chinese Post, Intelligent Mail Barcode, Korean Postal Authority code, Dutch KIX code, UK Postal, Australian Postal, Postal JPN, POSTNET, PLANET

**2D code:** Aztec Code, Aztec Runes, Composite codes, Codablock F, Data Matrix (ECC200), Maxi Code, MicroPDF417, Micro QR Code, Passport MRZ (OCR-B), PDF417, QR Code

**OCR:** MRTD comply to ICAO Doc 9303 standard (Passport, Visa-A/B, Official Travel Documents1/2)

### Durability

**Temperature in operation:** -5 to 45 °C / 23 to 113 °F

**Temperature in storage:** -30 to 60 °C / -22 to 140 °F

**Humidity in operation:** 10 - 90% (non-condensing)

**Humidity in storage:** 10 - 90% (non-condensing)

**Ambient light immunity:** Fluorescent 10,000 lx max, Sunlight 100,000 lx max

**Drop test:** 0.75 m / 2.46 ft drop onto concrete surface

**Vibration test:** 10 - 100 Hz with 2G for 60 min.

### Physical

**Dimensions (WxHxD):** 141.4 x 128.8 x 109 mm / 5.57 x 5.07 x 4.3 in.

**Cable length:** 2.1 m

**Weight (excluding cable):**

White ca. 575 g / 19.44 oz

Black ca. 545 g / 18.43 oz

**Case:** White version - Antimicrobial coating

### Regulatory & safety

**Product compliance:** CE, FCC, VCCI, IEC62471, EN55032, EN55024, RoHS

### Models

**Interface options:** USB

**Color versions:** White, Black