



# Technical specifications

## of CLR passport reader

### Technical specifications

#### Illuminations

- CLR 121: Normal visible (White) + Infra Red (B900)
- CLR 233: Normal visible (White) + Infra Red (B900) + UV (UVA)

#### Optical Specifications

- Image sensor: 1.5 Megapixel
- Image resolution: 250 DPI
- Image colour depth: 24 bits/pixels RGB

#### Hardware Units

- Internal memory: to store the firmware settings and factory calibration file

#### Mechanical Data

- Size with cover: 190 x 185 x 290 mm (7.48" x 7.28 x 11.42")
- Window size: 130 x 98 mm (5.12" x 3.86")
- Case: 100% metal case
- Window glass: 4 mm tempered glass
- Operating temperature: +10°C to +40°C (50°F - 104°F)
- Operating humidity: 0-95% (non-condensing)
- Weight: 3.8 kg (8.38 lb)
- No moving parts

#### Other Specifications

- Compliance: CE
- Interface: USB 2.0
- Number of status LEDs: 3 (2 programmable)
- Power: external power supply (100-240V AC, 50/60Hz)

### Software Development Kit (SDK)

#### Supported OS

- Windows® Vista, XP, 2003
- Linux®

#### Programming languages

- C/ C++, C#, Visual Basic, Delphi, .NET, Java

#### Full processing time

- Normal + Infra image and OCR (MRZ): 1.5 sec (P4 Celeron 2.4GHz)

#### MRZ OCR reading

- Included (ICAO 9303)

#### Enhanced Optical System (EOS)

- Included

#### VIZ OCR reading

- Optional, requires extra development

#### Barcode reading

- 1D Barcode reading: EAN8, EAN13, Code39, Code128. Interleaved 2 of 5

#### Image format

- BMP, JPG, JPG2000, PNG

*Technical specifications are subject to change without prior notice*

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