

REA MLV-2D

Verify your 2D Matrix Codes
and be sure of a high first scan rate

REA MLV-2D

A 2D Matrix Code Quality Control Device

Clarify why reading
efficiency is too low



Optimize readability by
using detailed quality
results



- Contactless verification by a CMOS Camera system
- Meets ISO standard ISO/IEC 15415
- Exchangeable camera optics for high and low density 2D Codes
- Ethernet Interface for high data transfer rate
- Several different light sources (angle/light type) to meet specific applications
- Quick information - good, warning or fail – by green, yellow or red light

The REA MLV-2D is a Verifier specially designed
for 2D Matrix Codes in production and quality insurance

Get full and comprehensive information about your 2D Matrix Codes

REA MLV-2D

The REA MLV-2D is a 2D matrix code verifier which meets to ISO standards. Contactless measurements at fixed angle and distance provides user with accurate verification results. The measuring systems is based on a CMOS camera chip together with an optics with low metric distortion. The data interface is a LAN interface for PC connection.

Options

Illumination: 90° angle, switchable between white and red light (under preparation).

Camera Module: One Module for Data-Matrix Modulwidth of 0,22 mm and larger and another for Modulwidth of 0,15 mm and larger. One Camera module is always included.



Features

- Powered by a 32bit ARM9 microprocessor
- Contactless measurement by CMOS camera technology
- Easy software update by Flash-ROM technology
- Languages English and German (others on request)
- Averaging of 4 or 5 measurements
- Single measurement
- Size verification
- ISO/IEC 15415 72° positioning for average measurement supported by display picture
- Switchable between red light and white light
- Switchable between 10° and 45° illumination angle for red and white light
- Universal power supply for world wide use
- Internal Real Time clock for time and date stamps
- In conformity to ISO/IEC 15426-2

Technical Data

- 32bit ARM9 processor
- 32MB RAM, 32MB Flash ROM
- Powered by ElinOS operating system
- Real Time clock
- Light source red 625 nm
- Light source white 5600K
- Angle of illumination 10° and 45°
- Direction of illumination switchable
- Graphic colour display 320x240 pixels, backlight
- Weight 1200 g
- Dimensions: 203 x 203 x 300 mm
- RJ45 LAN Interface (TCP/IP)
- CMOS camera 1280 x 1024 pixel
- Red, yellow an green LED for fail, warning and pass information
- Measuring area 56,5 x 45 mm or 39 x 31 mm
- Exchangeable optical module for high density symbols ($\geq 0,15$ mm) and low density ($\geq 0,22$ mm)
- Powered by a multinational PoE power supply unit

Symbologies:

- DataMatrix ECC 200
- Planned for later software releases: RSS and RSS composite, QR-Code and Mini QR Code. Other symbologies on request