The Quadrus EZ DPM imager provides an easy, integrated solution for decoding linear bar codes and 2D symbols. The imager is optimized for low contrast direct part mark reading, such as laser etch marks on irregular surfaces. The even illumination from the light diffuser and unique LED array allows easy decoding of the toughest marked codes.

The Quadrus EZ DPM is the ideal imager for decoding symbols directly marked by dot peen, laser etch, and chemical etch that are applied to materials such as metal, plastic, rubber, and glass.

### Ease of Use
Using Microscan’s ESP software, the Quadrus EZ DPM can be quickly and easily configured to read a wide range of direct part marks.

### 2D Symbol Quality Reports
ESP software generates printed reports on a variety of 2D symbol quality parameters which are useful in gauging readability of a symbol.

### Enhanced DPM Reading
The Quadrus EZ DPM includes a light diffuser and special LED array to evenly illuminate and decode marks.

### Extensive Focal Range
The Quadrus EZ DPM offers four optical versions, factory adjustable from 2 to 10" (50.8 to 254 mm). Adding a camera can expand optical flexibility to increase focal ranges.

### Application Examples
- Automotive assembly & power train
- Aerospace assembly
- Electronics manufacturing
- Medical device manufacturing

---

**Quadrus EZ DPM: At a Glance**

- Decodes/second: up to 60
- Read Range: 2 to 10" (51 to 254 mm)
- Patented Quadrus Technology
- IP65 Enclosure

**ESP®**: Easy Setup Program software provides quick and easy setup and configuration of all Microscan readers.

**EZ Trax™**: Image capture and storage software provides tracking of symbol images.

**EZ Button**: This performs reader setup and configuration with no computer required.

**Visible Indicators**: Performance indicators include “good read” green flash and LEDs, as well as the label positioning tool.

For more information on this product, visit www.quadrus-ez.com.
**Specifications and Options**

**MECHANICAL**
- Height: 2.25" (57 mm)
- Width: 2.5" (64 mm)
- Depth: 4.2" (107 mm)
- Weight: 12 oz. (340 g)

**Four Optical Versions**
Medium Density CCD option shown (right)
For more information on Quadrus EZ’s other optical versions including Narrow, Wide, and Extra Wide, please contact Microscan.

**Measurements**
Shown in inches (mm)

**Environmental**
- Enclosure: IP65 (standard unit)
- With Video I/O Option: IP65
- Operating Temperature: 0° to 43°C (32° to 109°F), if mounted on a Microscan stand.
- Humidity: up to 90% (non-condensing)

**Electrical**
- Power Requirements: 10 to 28 VDC, 200 mV p-p max ripple, 270 mA at 24 VDC (typ. CMOS), 333 mA at 24 VDC (typ. CCD).
- Trigger, New Master, Input 1: (Optoisolated) 1 to 28 VDC rated, (Ic < 100mA at 24 VDC, current limited by user).

**Indicators**
- LEDs: Read Performance, Power, Read Status, and Network Status
- Beeper: Good read, match/mismatch, noread, serial command confirmation, on/off

**Communication Protocols**
- Optional Interface: Ethernet

**Light Source**
- Type: High output LEDs

**Symbole Types**
- 2D Symbolelogies: Data Matrix (ECC 0200), QR Code
- Stacked Symbolelogies: PDF417, Micro PDF417, RSS (Composite & Stacked)
- Linear Bar Codes: Code 39, Code 128, IBM BC412, 12 of 5, Pharmacode, UPC/EAN

**Electrical**
- Power Requirements: Input, 10 to 28 VDC, 200 mV p-p max ripple, 270 mA at 24 VDC (typ.) CMOS, 333 mA at 24 VDC (typ. CCD).
- Trigger, New Master, Input 1: (Optoisolated) 1 to 28 VDC rated, (Ic < 100mA at 24 VDC, current limited by user).

**Safety Certifications**
- Designed for: FCC, CE, cUL, UL, BSMI
- ISO 9001:2000 Certified QMS

**ISO Certification**
- Issued by TUV USA Inc., Member of TUV NORD Group, Cert No. 06-1080
- ©2007 Microscan Systems, Inc., Rev. A 02/07
- Read Range and other performance data is determined using high quality Grade A symbols per ISO/IEC 15415 and ISO/IEC 15416 in a 25°C environment. For application-specific Read Range results, testing should be performed with symbols used in the actual application. Microscan Applications Engineering is available to assist with evaluations. Results may vary depending on symbol quality.
- Warranty—One year limited warranty on parts and labor. Extended warranty available.

**Light Collection Options**
- Progressive scan, square pixel.
- Software adjustable shutter speed, electronic mechanism
- CCD Array: 659 x 494 pixels
- CMOS Array: 640 by 480 pixels

**Read Parameters**
- Pitch: ±30° Skew: ±30° Tilt: 360°
- Decode Rate: Up to 60 decodes per second
- Focal Range: 2 to 10 inches (factory adjustable)

**Ethernet Option**
- Host Connector: Pins Utilized

**Video Input (Optional)**
- Signal System: Progressive scan
- Number of Scanning Lines: 525 lines
- Input: Analog 1 Vp-p

**Video Output (Optional)**
- Signal System: EIA
- Number of Scanning Lines: 525 lines/ 2:1 interlaced
- Output: Analog 1 Vp-p/75 ohm

**Product Information:**
- www.microscan.com
- Microscan Asia Pacific R.O.
- Microscan Systems, Inc.
- Microscan Europe
- Microscan Netherlands
- helpdesk@microscan.com
- Tel 65 6846 1214 / Fax 65 6846 4641
- www.microscan.com
- Product Information: info@microscan.com