Quadrus EZ™ simplifies 2D reading. Fully featured to operate in static or moving applications, Quadrus EZ™ is ideal for any 1D or 2D barcode application or companies considering the transition from 1D to 2D bar codes.

Quadrus EZ™ is the next generation in vision-based scanning, combining the ease of use of a laser bar code scanner with advanced software features of vision technology.

**Compared to vision systems Quadrus EZ™:**
- is easy to use, no PC is required.
- is more cost effective.

**Compared to laser bar code scanners Quadrus EZ™:**
- reads 2D symbols.
- has omnidirectional reading.
- has the ability to decode etched or dot peen symbols.

**Dynamic 1D & 2D Bar Code Reader**

**Ease of Use:**
Designed into every aspect of Quadrus EZ™, initial set up can be done in seconds.

**A 2-step setup:**
1. Position symbol using the “X” pattern.
2. Push the EZ™ button to read.

**Field of View Locator & Good Read Indicator:**
A red “X” identifies the field of view center, allowing fast and accurate placement. After the symbol has been targeted, Quadrus EZ™ emits a bright green flash (visible from all angles) signaling a successful read.

**Dynamic Reading:**
High decode speeds allow the Quadrus EZ™ to decode moving symbols, regardless of orientation, at speeds up to 60 reads/sec.

**USB & Ethernet Connectivity:**
Embedded USB and Ethernet protocols are available for high speed data and image transfer.

**2D Label Validation:**
The multiple validation parameters provide information which is helpful for monitoring printing/marking quality of a symbol to gauge readability.

**Video Input/Output:**
Quadrus EZ™ offers optional video input and output ports. This allows standard analog RS-170 cameras to be used, and a live video feed to view images. Adding a camera can expand optical flexibility to increase focal ranges, or be used where there may be size constraints.

**Symbologies:**
Quadrus EZ™ reads multiple 2D symbologies and traditional linear codes.

**2D Symbologies**
- Data Matrix (ECC 0-200)
- QR Code
- Stacked Symbology
- PDF417

**Linear Bar Codes**
- BC412
- Code 39
- Code 128
- 1-2 of 5

Codes depicted above are for display purposes only. For a sample packet, contact Microscan, info@microscan.com

**EZ button:**
- Enables locator pattern
- Enables the calibrate mode
- Enables read rate mode
- Defaults the scanner

This simplifies initial set up process and allows the scanner to be configured directly on the line, without the aid of a PC.

**Extensive Focal Range:**
Quadrus EZ™ offers four optical versions, factory adjustable from 2 to 10 inches. Additional focal points and field of views can be achieved by attaching an analog RS-170 progressive scan camera to the unit.

**ESP™ Software**
Quadrus EZ™ operates with Microscan’s Easy Setup Program. Microscan’s ESP™ software is Windows-based and easy to use.

**Microscan.**
QUADRUS EZ™ DYNAMIC 1D & 2D BAR CODE READER

Specifications and Options

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

ENVIRONMENTAL
Enclosure: IP65 (standard unit)
With video I/O option: IP55
Operating Temperature: 0° to 43°C (32° to 109°F)
Storage Temperature: -50° to 75°C (-58° to 167°F)
Humidity: up to 90% (non-condensing)

EMISSIONS/IMMUNITY
ITE Disturbances: EN55022: 1998 (radiated and conducted), Class A
General Immunity: EN55024:1998 (residential)
Heavy Industrial Immunity: EN61000-6-2:1999

LIGHT SOURCE
Type: High output LEDs

LIGHT COLLECTION OPTIONS
CCD Array: 659 x 494 pixels progressive scan, square pixel, electronic mechanism
CMOS Array: 640 by 480 pixels progressive scan, square pixel, software adjustable shutter speed

SYMBOLIC TYPES
2D Symbologies:
Data Matrix (ECC 0-200), PDF417, QR Code
Linear Bar Codes: Code 39, Code 128, IBM BC 412, 12 of 2

READ PARAMETERS
Pitch: ±30°
Slew: ±30°
Tilt: 360°

COMMUNICATION PROTOCOLS
Optional Interface: Ethernet, USB

ELECTRICAL
Power Requirements:
Input: 10 to 28 VDC, 200 mA p-p max ripple, 270 mA at 24 VDC (typ.-CMOS), 333 mA at 24 VDC (typ.-CCD).
Trigger, New Master, Input 1: (Optoisolated) 5 to 28 VDC rated, (12mA at 24 VDC).
Outputs 1/2/3: (Optoisolated) 1 to 28 VDC rated, (Ice < 100mA at 24 VDC, current limited by user).

SAFETY CERTIFICATIONS
Designed for: FCC, TüV, CE, cUL, UL, BSMI
ISO 9001/Cert. No. 00-1047
©2002 Microscan Systems, Inc.
Specification, 07/02–Base B
Specifications subject to change.

Product specifications are given for typical performance at 25° Celsius (77° Fahrenheit) using grade A labels. Some performance characteristics may vary at high temperatures or other environmental extremes.

Warranty — One year limited warranty on parts and labor. Extended warranty available.

MICROSCAN
This information is provided by
JETEC CORPORATION
2817 McGaw., Irvine, CA 92614
Tel: (714) 979-9611 / (949) 477-8616
Fax: (714) 255-5950
Web: www.jetec.com
Contact: sales@jetec.com

Shop online and click here