PanelScan is a user-friendly and easily integrated traceability solution for capturing barcode data from multi-array PCBs at the front-end or mid-stream on any SMT line. This integrated system replaces error-prone manual scanning with a solution that allows for in-motion reading and keeps production lines moving.

The PanelScan system is the ideal traceability and inspection solution for any high mix, low volume electronics manufacturer.

PanelScan™

Multi-Array PCB Traceability System

PanelScan Software: User-friendly interface to set up and run jobs

GigE Camera: Up to two GigE line scan cameras and telemetric lenses

NERLITE Smart Series Light: Up to two lights with focused lens and brightest LEDs in their class

For more information on this product, visit www.microscan.com.

PanelScan: At a Glance

- Inline decoding and verification of 1D/2D codes
- Scalable to Visionscape for additional inspection tasks
- Available in both Standard and Wide versions for flexible implementation
- Solution includes software, camera, lens, light, trigger and cables:

Large Area Imaging
PanelScan is a cost-effective large area imaging system designed to read the entire length and width of any printed circuit board array.

Remote Configuration
After setup, line changes are easily managed within the software so that updates can be configured remotely or through automation. Product mix and barcode location changes no longer require lengthy line shut-downs to reposition, reconfigure, and test barcode readers.

Scalable Software
Easily upgrade to full functionality of Visionscape* software to access value-added inspection tasks such as absence/presence, measurement, and OCR/OCV.

Intuitive User Interface
The innovative PanelScan interface is exceptionally easy to use. Line operators can quickly train and recall jobs to make sure production is always running.

Application Examples
- Contract manufacturers
- Automotive electronics
- Medical electronics
- Military electronics
- Large-format PCB assemblers
- Machine builders
- MES providers
- Material handling

*Mounting structure is not included.
**MINIMUM PC REQUIREMENTS**
- Windows® 7 64-bit
- 2 GB of memory
- Two GigE NIC ports with Intel® chip set

**SYMBOL TYPES**

2D Symbologies: Data Matrix (ECC 0-200), QR Code, Micro QR Code

Stacked Symbologies: PDF417, GS1 Databar (Composite & Stacked)


Narrow Bar Width Dimensions:
- 1D = 3.3 mil (0.0033"/0.08 mm)
- 2D = 5 mil (0.005"/0.13 mm)

**QMS CERTIFICATION**

www.microscan.com/quality

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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. Omron MicroScan Applications Engineering is available to assist with evaluations. Results may vary depending on symbol quality. Warranty—For current warranty information on this product, please visit www.microscan.com/warranty.

**Mounting Specifications**

- **STANDARD CONFIGURATION**
  - One camera
  - One light
  - Field of view: 10" (254 mm) max. width by 24" length

- **WIDE CONFIGURATION**
  - Two cameras
  - Two lights
  - Field of view: 18" (457 mm) max. width by 24" length

Note: Inches [millimeters]. Nominal dimensions shown. Typical tolerances apply.