FACT SHEET

LAKE IMAGE

DISCOVERY MSExpress

Affordable, versatile & compact print data verification product for variable print inspection applications

PRODUCT OVERVIEW

DISCOVERY MSExpress is a flexible, modular camera inspection system for your print data verification needs. Easily mounted within digital print production processes, it offers a productized approach to a range of inspection requirements from simple code presence, to variable data verification.
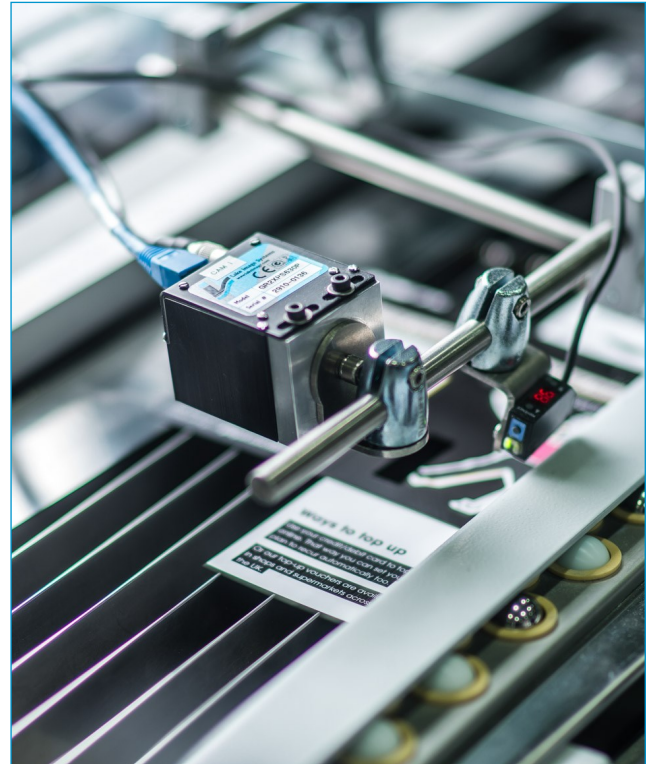
DISCOVERY MSExpress key features:

- **Compact & Affordable** - Complete, versatile, modular camera inspection unit

- **Intelligent Inspection** - simple code presence to variable data verification using OCR and machine readable codes

- **High Speed** - up to 40,000 pieces per hour

- **Manufacturing Equipment Control** - alarms, diverts, equipment stop

- **Easy to Use & Intuitive Design** - quick set-up with comprehensive capability.

DISCOVERY MSExpress is available:

- **As a Packaged Solution** - An inspection camera with integrated LED lighting and a Mini-PC unit

- **Optional camera and lighting configurations** – for different substrates and fields of view

- **Fully Configured & Supported** - for fast installation.

OEMs can easily integrate the unit onto their equipment either as a standard or optional print verification feature for their clients.
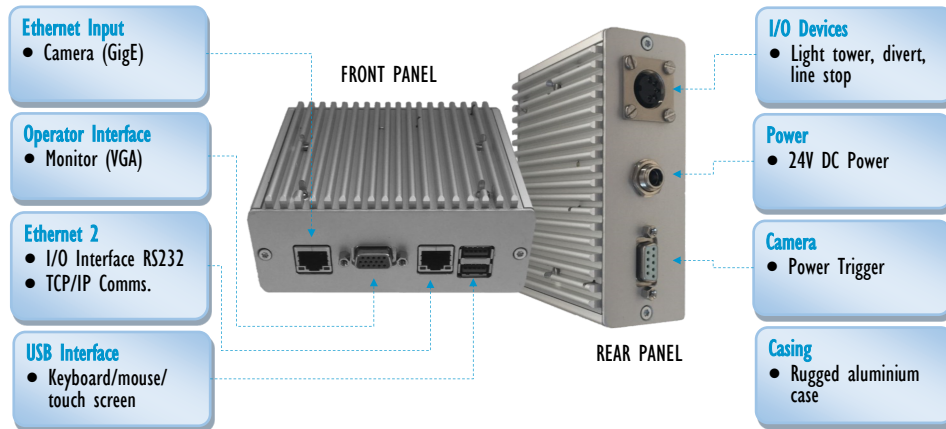

DISCOVERY MSExpress: Mini-PC and GR 2 Inspection Camera with integrated LED lighting

DISCOVERY MULTISCAN

FACT SHEET

MINI-PC: CONNECTIVITY

Ethernet Input
- Camera (GigE)

FRONT PANEL

Operator Interface
- Monitor (VGA)

Ethernet 2
- I/O Interface RS232
- TCP/IP Comms.

USB Interface
- Keyboard/mouse/ touch screen

REAR PANEL

I/O Devices
- Light tower, divert, line stop

Power
- 24V DC Power

Camera
- Power Trigger

Casing
- Rugged aluminium case

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FEATURES

Print Verification

- Text / OCR : Full Alphanumeric font trainable by system operator.

1D & 2D Barcodes

- EAN 13 & EAN 8
- OMR
- Datamatrix
- PDF417
- QR Code
- Optional IMB and OCV (Optical Character Verification)

- UPC A & UPC E
- Code128, Code39 & Code93
- 2/5 discrete & Interleaved
- Phamacode

Equipment Control

- Control on error: Divert/Stop - optional
- On-screen live display of defects - optional
- Operator Light & Audible Alarms/Warnings - optional
- Marking & flagging device - optional

Easily Set-up

- An intelligent, fast camera & verification tool set-up
- Smart, quick system set-up with minimal sensor adjustments

Reporting & Data Integration

- Real-time logging/reporting/data collection (optional)

SYSTEM

- *Fully integrated* unit - GigE camera with integrated LED lighting, a Mini-PC running DISCOVERY Read and Verify software tools on a MS Windows 10™ platform.
- Inspection Speeds: up to 40,000 items/hour

Camera

- Camera: GR2 Integrated Camera module
- Resolution: 1280 × 1024 pixels
- Camera Interface: GigE Ethernet
- Lighting: Integrated long life L.E.D.

Fanless Industrial Mini-PC

- OS: Windows™ 10 (64bit)
- Connectivity: Ethernet(x2), VGA, USB(x2),
- I/O interfaces: 4xOutputs, 2xInputs. RS232 Port
- Interfaces: Monitor, keyboard/mouse. Touch screen (optional)
- Housing: Rugged aluminium case
- Dimension: 120mm(L) × 125mm(W) × 47mm(H)

Installation / Integration

- Simple configuration, installation & integration
- Documentation, remote technical support and training
- Warranty: 1 Years

Options

- Cameras: Up to 5 Megapixels
- Lighting: a range of lights for use with standard cameras
- Standard camera brackets for easy installation.

APPLICATIONS & USES

- **Competitively priced** - An intelligent print verification & inspection solution at an entry level price
- **Machine independent** - Can be retro-fitted to most existing printing, labelling & packaging equipment
- **Reliable** - 100% print data verification & control
- **User-Friendly** - Faster set-up & logical GUI layout
- **Supported** - Comprehensive maintenance contracts featuring remote diagnostics

BENEFITS

- **Lower Costs** - Automatically capture product and print quality defects. Prevents costly returns, rejects and repackaging
- **Improved Productivity** - Automate print quality inspection processes for high speed production
- **Less Scrap / Less Waste** - Immediately prevent costly scrapping of large runs of defective print
- **Mitigate risks** - Ensure all jobs comply with customer requirements and government regulations