BOA IDR

SMARTER IMAGING FOR BETTER LIVES

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BOA IDR

Benefits

- Integrated smart camera with ID software
- Mono CCD sensor
- Ultra small form factor 44 x 44 x 44 mm
- Industrial IP67 Housing
- Easy application setup via Laptop or PC
- M4 threaded mounting holes on each surface
- Direct connection to standard vision lights
- Utilizes factory M12 style cordsets
- No software to install

Overview

Auto Identification Camera

BOA IDR is an image-based identification and verification camera that allows manufacturers to automatically identify parts for traceability and error proofing. BOA IDR combines 1D and 2D reader tools with character (OCR) and pattern recognition capabilities to identify or verify all required product markings.

The IDR software is embedded within the device and is setup through a web browser interface. The controls are easy to navigate and accommodate users of all experience levels. Advanced features, such as custom scripting, are provided for more complex applications. User administration controls and logging features are also included to help customers acheive system validation when required. BOA IDR supports standard communication protocols, such as Modbus and Ethernet/IP, for seamless connection to complementary control devices.

Data Matrix, QR Code and PDF417. Square or rectangular size formats, Grading supported to AIM DPM, ISO 16022 and ISO 15415

UPCa, UPCe, EAN8, EAN13, Code39, Code93, Code128, Codabar, BC412, ITF, Postnet, Planet, Pharmacode, RSS14

Trainable binary and grayscale OCR, dark or bright characters, fielding, multi-line, easy train, min/max char size and score

Area or Edge based recognition, reports score, location and rotation, finds features for verification or alignment

Included with BOA IDR is a fully functional software emulator that allows users to develop or debug applications offline. Runtime Images can be saved to the offline PC using the Ethernet interface. The emulator maximizes machine up time during application development and maintenance.

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Specifications

- 256MB Job Memory
- 256MB Program Memory
- Processor: DSP + CPU
- Sensor: 1/3" CCD
- Resolution: 640 to 1280
- Lamp: External
- Inputs: 2 Opto
- Outputs: 2 Opto
- Comm: Ethernet/RS232
- Power: 12-30V
- Temp: 0-45C
- Protection: IP67
- Mount: 8 M4 threaded
- Compliance: CE, RoHS

PHYSICAL INTERFACING

Lamp	5 pin M12 style connector for providing power and strobe control to external lights
I/O	8 pin M12 style connector provides system power, inputs and outputs
LAN	8 pin M12 style connector provides fast Ethernet for setup and communications. Supports passive Power over Ethernet
Status	3 LED status indicators provide activity and device health feedback
Cables	Standard M12 industrial cordsets offer cost effective cabling solutions
Mounting	M4 threaded holes on each surface support 360° direct mounting
Lens	Supports a standard C mount lens with an optional protective cover