

BA-440 DualBeam Barcode Reader

for

Vehicle Access Control & Automatic Vehicle Identification

The BA-440 DualBeam Barcode Reader represents the most modern, state-of-the-art device for Vehicle Access Control and AVI (Automatic Vehicle Identification) systems. Combining advanced laser technology with the proven DualBeam design pioneered by Barcode Automation, the BA-440 Barcode Reader offers the best performance, reliability, and cost effectiveness available.

Packaged in a compact aluminum enclosure, the BA-440 DualBeam Reader is the smallest available, yet still produces dual laser lines for accuracy and is immune to interference and glare from the Sun or radio frequency interference from cell phones, radio and microwave towers.

A key feature of the BA-440 DualBeam is its ability to act as a simple "stand alone" access controller. Using the onboard relay output the Reader will control the vehicle gate directly. As vehicles pass by each decal is read and the ID code is checked against the internal database. If the ID code is valid, the relay is activated, opening the gate. If the ID code is invalid or disabled the gate is not opened and the ID code is logged as denied. The database in the BA-440 DualBeam will handle 100,000 unique ID codes, which can be individually configured to grant or deny access. In addition, transactions are recorded with the time/date and event (Entered or Denied) for later retrieval.

Other features include modular construction, quick disconnects, and built-in diagnostics for fast and easy servicing. Diagnostics are easily accessed using a laptop with either a RS232 serial port or USB port. It is an ideal access control reader for gated communities, airports, parking garages, hospitals, government installations, rental car lots, and other vehicle entrances.

Features/Benefits

- ETL compliance with UL Standard 294, Safety for Access Control System Units.
- Specifically designed for Automatic Vehicle Identification and Access Control.
- Compact, full featured reader fits in tight spaces.
- Compatible with all access control equipment that accept standard Wiegand 26 bit message.
- Communication via RS232 serial port, USB and Wiegand 26 bit formats.
- Configurable as stand alone controller for one gate, database capacity is 100,000 unique ID codes that can be individually granted or denied access with time/date logging.
- High Performance - provides accurate decoding of decals on vehicles at speeds up to 25 mph and distances up to 6 feet from the reader.
- Modular construction - designed with quick disconnects for easy field service, the electronics and optics module can be removed and replaced easily without removing the entire unit.
- Built in diagnostics for easy fault isolation and fast field servicing.
- Reader is environmentally sealed to NEMA 4 standard.
- Audible tone indicates successful read.
- Configurable to read AVI Labels from Accu-Sort, Amtel, ISI, LazerData and others.
- Designed to ignore photocopied barcodes or printed images.
- Five year warranty on main components.



BA-440 DualBeam



Doing It Better - Because We Care

Barcode Automation, inc • PO Box 195268 • Winter Springs, FL 32719-5628
800-528-9167 • 407-327-2177 • FAX 407-327-6172 • www.barcode-automation.com



BA-440 DualBeam Barcode Reader

Specifications subject to change without notice.

Light Source: Visible Laser Diode
Output Wavelength (nominal): 658 nm
CDRH Safety Class II
Output Power: less than 1mW/cm²

Read Zone:
Operating Distance: 24 to 72 in (61 to 182 cm)
measured from window

Decals:
Various Color Decals can be used; Configurable to read decals from Accu-Sort, Amtel, ISI, & LazerData

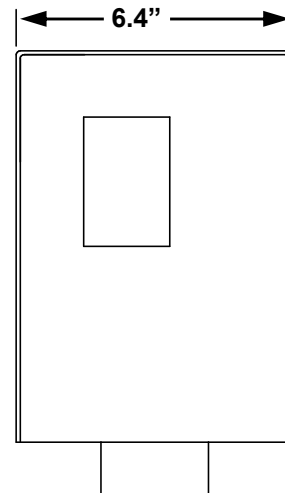
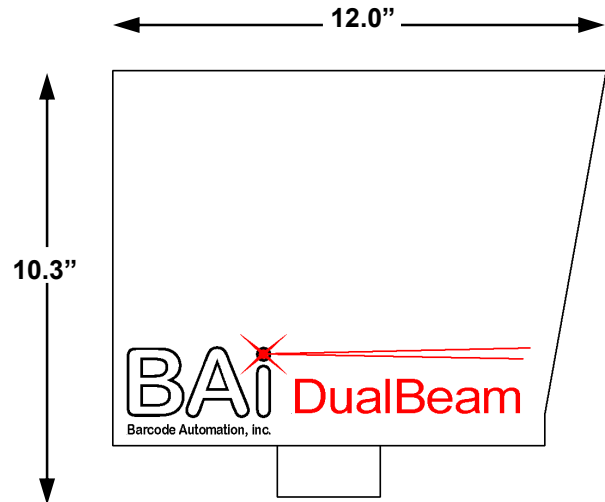
Communications:
Communication (RS232):
Data Rate: 2400, 4800, 9600, 19200, 38400 Baud
Parameters: 8N1, 7E1

Communication (Wiegand): 26 bit format
Timing of Wiegand pulses is adjustable

Indicator:
Audible indicator for Good Read (beep)
Length of audible beep adjustable
Audible beep can be disabled

Power Input:
Voltage input: 24 Vdc Only @ 1.5A max
Power: 36 Watts max

Environmental:
Operating Temperatures: -22 to 130° F (-30 to 55° C)
Relative Humidity: 10% to 100% (non-condensing)
Mechanical Specifications: NEMA 4



Barcode Automation, inc
800-528-9167 • 407-327-2177 • FAX 407-327-6172
www.barcode-automation.com

