

# V440-F 1D/2D Code Reader

## Product Guide



## Overview

The V440-F is a compact, high-speed, high-resolution fixed mount code reader that decodes the most challenging symbols and DPMs using high-performance X-Mode algorithms. The reader can be set up with only a web browser and no installed software via Weblink 3.0. High-speed communication is offered by the RJ45 Gigabit Ethernet port utilizing TCP/IP, EtherNet/IP or PROFINET.

C-Mount optics ensure placement flexibility; from small codes using macro or telecentric lenses, to long-distance and wide-area code reading using off-the-shelf lenses. Single or multi code reading is easy with V440-F's dual-core processor and NERLITE Smart Series ring lights.

## Applications

- Consumer electronics component traceability
- Food, beverage, pharmaceutical and consumer goods packaging
- Case packaging and logistics
- Automotive assembly cells
- High speed code reading and general manufacturing traceability

## Primary Benefits

- Reads multiple codes in a single field of view and outputs organized data
- Automatically reads up to 400 codes from a tray or matrix arrangement
- Reads extremely tiny codes with macro or telecentric lenses
- Improves layout flexibility by reading codes at long distances
- Allows code placement to be inconsistent within a wide area
- Enables several smaller packages to be combined and read in a single view

## Key features

- 5 MP global shutter sensor
- C-Mount lens compatible
- Dual-core processor
- High-speed, 36 FPS image acquisition
- Weblink 3.0 with enhanced functionality, including Matrix Mode and new Configuration Database
- Designed for use with NERLITE Smart Series ring lights
- Power over Ethernet (PoE) or direct 24VDC
- Opto-isolated digital I/O
- Gigabit Ethernet with RJ45 port for use with low-cost cabling
- RS232C, Ethernet, EtherNet/IP and PROFINET communications
- IP40 rating

## V440-F Product Selection



Part Number	Sensor	Optics	Communications	IP Rating	Decode Algorithms
V440-FXXX50M-NNP	5 MP, Global Shutter, Monochrome	C-Mount	RS232C, Ethernet, EtherNet/IP, PROFINET	IP 40	1D/2D Plus Mode
V440-FXXX50M-NNX	5 MP, Global Shutter, Monochrome	C-Mount	RS232C, Ethernet, EtherNet/IP, PROFINET	IP 40	1D/2D X-Mode

Note: Lenses, Lights and Cables are selected separately, based on the individual application. Please refer to the V440-F data sheet for all available options.

### Mounting Options

Part Number	Description
V440-AM0	1/4-20 Mounting Block for V440-F Reader

## V440-F Accessories

### NERLITE Smart Series Ring Lights

Part Number	Description
NER-011660900G	R-70, 70mm, Smart Series Ring Light
V440-AM1	R-70 Smart Series Ring Light Mounting Kit
NER-011661100G	R-100, 100mm, Smart Series Ring Light
V440-AM2	R-100 Smart Series Ring Light Mounting Kit

### Industrial GigE Ethernet Cable

Part Number	Description	Length
98-000133-01	RJ45 to RJ45, Industrial High Flex GigE Ethernet Cable with Jack Screws	2 Meters
98-000134-01	RJ45 to RJ45, Industrial High Flex GigE Ethernet Cable with Jack Screws	5 Meters
98-000134-02	RJ45 to RJ45, Industrial High Flex GigE Ethernet Cable with Jack Screws	7 Meters

### Power & I/O Cable

Part Number	Description	Length
V430-W8-3M	Power & I/O Cable, M12 to Flying Leads Cable, Straight	3 Meters
V430-W8-5M	Power & I/O Cable, M12 to Flying Leads Cable, Straight	5 Meters
61-9000135-01	Y Cable, Reader & Smart Light Power (Continuous On)	1 Meter
61-9000137-01	Y Cable, Reader & Smart Light Power (Strobe Control)	1 Meter