

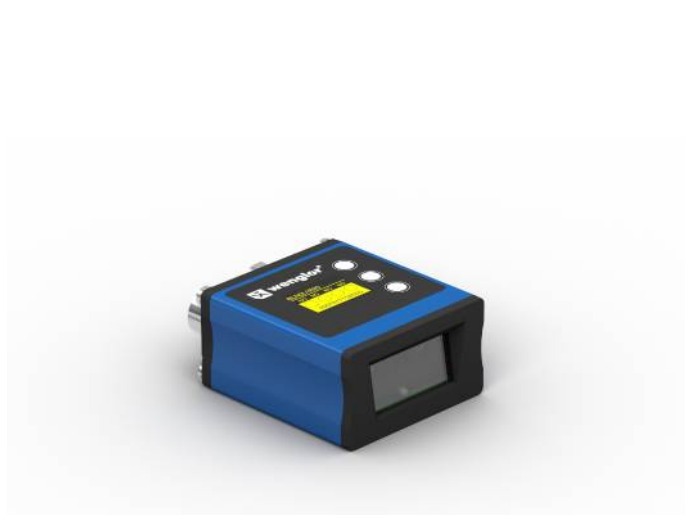
# Barcode Line Scanner

## CCD Array

# BLN0H1R20

Part Number

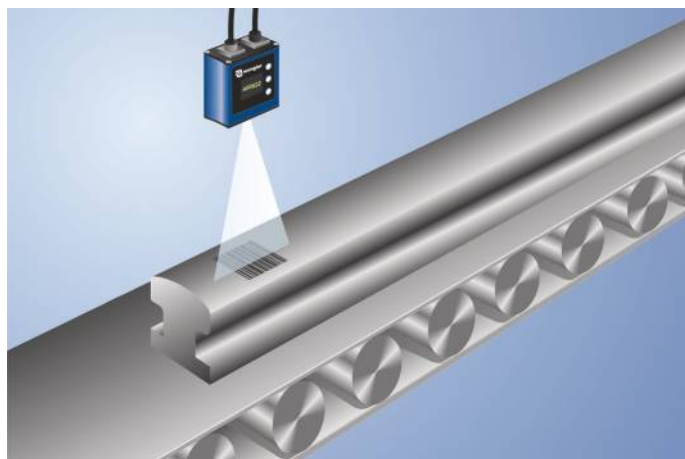
Ethernet



- Compact housing
- Ethernet TCP/IP
- LED display indicates "good read"
- Red light
- Web server and graphic display for simple operation

This scanner is particularly suitable for detecting 1D codes printed or lasered on glossy materials. It works reliably even with small contrast differences and poor code quality. Readable code types:

Code39, Full-ASCII-Code39, Interleaved 2 of 5, China Postal Code, Codabar, Code32, MSI Plessey Code, Code11, Industrial 2 of 5, Matrix 2 of 5, Telepen Code, UK Plessey Code, IATA Code, Code93, EAN13, EAN8, UPC-A, UPC-E, Code128, UCC/EAN-128, RSS-14, RSS-Limited



## Technical Data

### Optical Data

|                           |             |
|---------------------------|-------------|
| Barcode Density           | Wide angle  |
| Read Range                | 20...200 mm |
| Resolution                | 0,075 mm    |
| Light Source              | Red Light   |
| Wavelength                | 625 nm      |
| Service Life (T = +25 °C) | 100000 h    |
| Max. Ambient Light        | 70000 Lux   |
| Opening Angle             | 65 °        |
| Barcode Printing Contrast | > 30 %      |

### Electrical Data

|                                             |                 |
|---------------------------------------------|-----------------|
| Supply Voltage                              | 18...30 V DC    |
| Port Type                                   | 100BASE-TX      |
| Current Consumption (U <sub>b</sub> = 24 V) | < 100 mA        |
| Scan Rate                                   | 510 scans/sec   |
| Temperature Range                           | -20...60 °C     |
| Inputs/Outputs                              | 4               |
| Switching Output Voltage Drop               | < 2,5 V         |
| PNP Switching Output/Switching Current      | 100 mA          |
| Short Circuit Protection                    | yes             |
| Reverse Polarity Protection                 | yes             |
| Overload Protection                         | yes             |
| Network Possibilities                       | Ethernet        |
| Interface                                   | RS-232/Ethernet |
| Protection Class                            | III             |

### Mechanical Data

|                             |                        |
|-----------------------------|------------------------|
| Housing Material            | Aluminum               |
| Optic Cover                 | Plastic, PMMA          |
| Weight                      | 130 g                  |
| Degree of Protection        | IP67                   |
| Connection                  | M12 × 1; 8-pin         |
| Type of Connection Ethernet | M12 × 1; 8-pin, X-cod. |
| Web server                  | yes                    |

Configurable as PNP/NPN/Push-Pull

Switchable to NC/NO

Ethernet

RS-232 Interface

Connection Diagram No.

002 | 786

Control Panel No.

X2

Suitable Connection Equipment No.

50 | 89

Suitable Mounting Technology No.

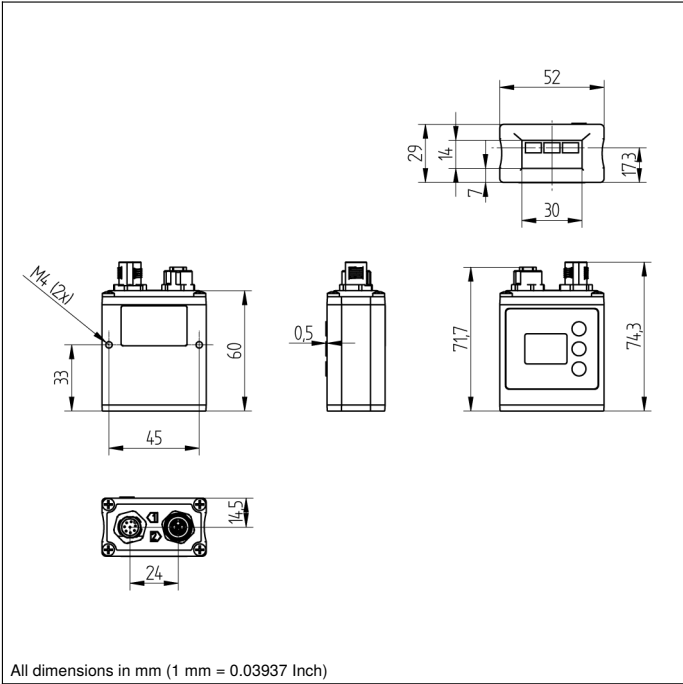
560

Display brightness may decrease with age. This does not result in any impairment of the sensor function.

## Complementary Products

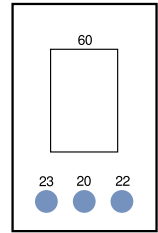
Fieldbus Gateway ZAGxxxN01, EPGG001

Protective Housing ZNNS001, ZNNS002



Ctrl. Panel

X2



20 = Enter key  
22 = Up key  
23 = Down key  
60 = display

| 1 | 2 |    |
|---|---|----|
| 1 | 1 | 2  |
| 2 | 2 | 3  |
| 3 | 3 | 4  |
| 4 | 4 | 5  |
| 5 | 5 | 6  |
| 6 | 6 | 7  |
| 7 | 7 | 8  |
| 8 | 8 | 9  |
| 9 | 9 | 10 |