NLV2101
2D CMOS imager

RS232

USB (HID/VCP)

+ Related products

M5
- Stationary device
- 2D CMOS imager
- RS232, Keyboard Wedge, USB (HID/VCP)
- IP 52, ABS, up to 50 fps

NLV2001
- Stationary device
- Barcode laser scanner
- RS232, Keyboard Wedge, USB (HID/VCP)
- IP 67, Metal

OPI4002
- Wireless device
- 2D CMOS imager
- IEEE 802.15.4
- Equipped with powerjack

OPTICON
IMAGER

SCAN

OK/NG
READ

MADE IN JAPAN

✚ Basic Product Specifications

Operating indicators
- Visual: 1 LED (red/green/orange)
- Non-visual: Buzzer

Communication
- RS232: DB9 PTF connector with external power supply
- USB: Ver. 1.1, HID/VCP, USB-A connector

Power
- Voltage requirement: 5V ± 10%
- Current consumption: Max. 330mA

2D Imager Optics
- Light source: Illumination 4 red LEDs 630 nm, aiming 2 green LEDs 527 nm
- Scan method: CMOS area sensor, SXGA (1.3 million pixels), gray scale
- Scan rate: Up to 30 fps
- Trigger mode: Manual, multiple read, auto-trigger, serial software trigger
- Image format: Windows Bitmap, JPEG, TIFF
- Gradulation: 256, 16, 2
- Image output mode: 4 resolutions (full, 1/2, 1/3, 1/4), 2 ranges (horizontal, vertical)
- Curvature: R>15 mm (EAN8), R>20 mm (EAN13)
- Min. resolution at PCS 0.9: 0.127 mm / 5 mil, *0.169 mm / 7 mil*, at Code39 / PDF417 and *Data Matrix*
- Min. PCS value: 0.45
- Field of view: Horizontal 47º, Vertical 37.5º
- Depth of field: At PCS 0.9 *PDF417* and Code 39
  52 - 202 mm / 2.05 - 7.95 in (1.0 mm / 39 mil),
  97 - 122 mm / 3.82 - 4.80 in (0.5 mm / 20 mil),
  52 - 232 mm / 2.05 - 9.13 in (0.25 mm / 10 mil),
  67 - 162 mm / 2.64 - 6.38 in (0.15 mm / 6 mil),
  97 - 122 mm / 3.82 - 4.80 in (0.127 mm / 5 mil)

Supported Symbologies
- Barcode (1D): JAN/UPC/EAN incl. add on, Codabar/NW-7, Code 11, Code 39, Code 93, Code 128, GS1-128 (EAN-128), GS1 DataBar (RSS), IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISSN-ISMN, Matrix 2of5, MSI/Plessey, S-Code, Telepen, Tri-Optic, UK/Plessey
- Postal code: Chinese Post, Korean Postal Authority code
- 2D code: Aztec Code, Aztec Runes, Codablock F, Composite codes, Data Matrix (ECC200/ECO-140), Maxi Code (mode 2~5), MicroPDF417, Micro QR Code, PDF417, QR code

Durability
- Temperature in operation: 0 to 45 ºC / 32 to 113 ºF
- Temperature in storage: -20 to 60 ºC / -4 to 140 ºF
- Humidity in operation: 20 - 85% (non-condensing)
- Humidity in storage: 20 - 90% (non-condensing
- Ambient light immunity: Fluorescent 10,000 lx max, Direct sun 100,000 lx max, Incandescent 10,000 lx max
- Antistatic electricity: 15kV (non-destructive)
- Drop test: 0.75 m / 2.5 ft drop onto concrete surface
- Protection rate: IP 67

Physical
- Dimensions (w x h x d):
  46 x 58 x 24.5 mm / 1.81 x 2.28 x 0.96 in
- Weight body: Ca. 120 g / 4.2 oz (excl. cable)
- Case: Metal, Black

Regulatory & Safety
- Product compliance: CE, FCC, VCCI, RoHS

Sold separately
- Power supply 100-240V/0.5A, 50/60 Hz, 5V/2A (for RS232)

Models
- Interface versions: RS232, USB

- **The Netherlands:** Hoofddorp
- **France:** Issy Les Moulineaux
- **Germany:** Dietzenbach
- **Italy:** Castel Maggiore (BO)
- **Spain:** Valencia
- **Sweden:** Järfälla
- **United Kingdom:** Luton, Bedfordshire
- **U.S.A.:** Renton, WA
- **Japan:** Warabi City

- **Taiwan:** Taipei
- **P.R.China:** Shanghai
- **Australia:** Kariong
- **Brazil:** São Paulo

Opticon Sensors Europe B.V
European headquarters
Opaallaan 35
2132 XV Hoofddorp
The Netherlands
phone: +31 (0)23-5692700
fax: +31 (0)23-5638266
email: sales@opticon.com
internet: www.opticon.com

OPTICON
WWW.OPTICON.COM

BarcodesInc

BarcodesInc
200 West Monroe Street
Chicago, Illinois 60606

Phone: 1-800-351-9962
Fax: 1-312-212-1800
www.barcodesinc.com

About BarcodesInc

Who We Are

BarcodesInc is North America's leading provider of •]^&ãæｷã^åÁåã ̃ãzｩÁåææzｩÁ@ｩｷå¸ æｷ^Áｩ}åÁ^[-ｸｬ æｷ^Áｩ[̆ｯｱｦ}•ĚÀU ̆ｩÁ p¦[å ̆ &ｯｷÁｩ}&¦ ̈ å^Áåæｷå&[å^Á^Á&æｩｷ}^¦•ĚÁ[àｩｷ^Á&¦{]å¦ ̆ｯｱ*Áｩ^ｯＲ&^•ĚＲｩ^}ｯãＲæzｩ}&æｷåÁ ̆ ~ｩｷ{^}ｯＺÁm[åｩＺｷ－Ｅ̈ æｷ^Á •^ ̆ ｯ^{ ̆ •ＥＲｩãｷå&[å^Á^ｩæｩ^¦/æｩåÁ&Á^&^Áｷå ̈ｩｯ^¦•ＥＲæｩåÁ&¦}• ̆ ~{ æｩ¦^•ＥＲｩｩÁｷ-Á @Ｒ&@¦@•¦¦/Á&Á •ｩ{ ^^¦•Áｩｦ]¦[ｸ^Áｦ¦[å ̆ &æãｯｩｯｩÁ æｩ}åÁ¦¦[-ãzｩãｦããｯ́ĚＵ ̆ ¦Áｦ¦[å ̆ &ｯ́æｦ}åÁ[̆ｯｱｦ}^Ｒｸ]^¦ｯ^Á@æｬｷ^Áｩåｷｷ^}Á^^¦çãｯ*Áｩ[ｯ@Á{ æｩｯＡｩ ̈ ã ̈ •^••^Áｷæｷｩ åÁｯ́ｩæｷ*^Á^}ｷ•]¦ｩã^•Á •ã ̈ &^ÁＦＪＪＩＥ

We Owe Our Success To You

Q¦ｯｩÁｷ^Á@@zæ/åÁæｯｩåÁ&Áæ&\ ã ̈ *ÁｩｦＡ̆ ¦Á^¦Á¢]^¦ｯã^ĚＺ̆ oＡ&̆ •å{ ^¦Áｷæｷã-æ&ｯｩ}ＡｩÁ ̆ ¦Åｯ ̆ ^Áｩ æ•ｷ}ÁＤＥＹ ^Á@ｷｸ^Áｦ¦}^Áｦ¦ｯｩ̆¦¦¦ãæã*Á[àｩ^&ãz^¦Á&[Á ̆ *Á• ̆ ¦Áｦ[̆ 'ＥＹ^Áｦ}å^¦•ｯｩã}Á&Á̆ o@zæＡ̆ æ&Á@&ｷ^•å{ ^¦Áｷ^Á̆ ¦ｩｦＡ̆^^åｷ^ÁｷＦã ̆ ^ＥＹＡ@zæ¦çＡ @ＡÁ^Áｦ/ã ̃ o^} &æｷ^ｷ~¦¦ｦＡ̆æＡå^Á&æｷｲå¦ｦ¦¦Áｷ^¦Á ̆¦[̆ ｯｱ}•Áｦ{ÁｦＡ ^^ oＡ̆ ¦Á^^åＥＹ ^Áｩ ̈]¦^&æ̈z^Á@&ＡＡÁ] ̆ ˇ^Á̆ *ÁＦ ̈ c^}ã̈ ｩＥ @ÁＡ̆ ^Áｦ̆ã ̈ c^}Á ^¢&^^åＡ̆ ¦[̆ ¦Á¢]^¦ｯã^Á^&ææｷ}•ＡＥ

Why Choose BarcodesInc?

Dedicated Account ÀUbUｲＹf

Our Account Managers will not compromise when it comes to providing you top-notch service. Your Account Manager is the primary point of contact for your business and makes it a priority to get to know you, your company and all your needs.

Highly-Trained Technical Support

Our technical staff has the broadest knowledge and every significant certification in the industry. One of our friendly experts is always available to suggest products and solutions for any situation.

Incredible Value

Our purchasing power means big savings for you. Whatever your project, our team will work hard to deliver a solution that fits your budget.

Largest Inventory in the Industry and Same-Day Shipping

Whatever your barcoding, mobile computing, or printing needs, we will fill your order and ship it the sameÁåæêÈ

Premier Access to Top Manufacturers

BarcodesInc maintains strong strategic partnerships with the leading manufacturers in barcoding, mobile computing, printing and RFID.

Responsive Customer Service

Every phone call and email is responded to promptly, completely and accurately by our customer serviceÁ¢^æｷÈ

Easy Returns

Damaged, defective or incorrectly ordered goods may be returned without hassle.