

MATRIX 320™



Top performing 2D reader to empower shop floor and intralogistic traceability



Matrix 320 image based code reader has been designed to EMPOWER TRACEABILITY applications providing benefits for End Users and Machine Builders. Matrix 320 brilliantly solves traceability applications in Intralogistics, Distribution, 3PL, Retail logistics and the Shop Floor.

Matrix 320 offers a COMPLETE SOLUTION and TOP PERFORMANCE to achieve higher productivity at the best price/performance ratio with its superior 2MP sensor (1920 × 1080 pixels with a 16:9 form factor), achieving an extra large Field of View (FOV) on horizontal axis that competes against 3MP readers.

Matrix 320 has excellent reading performance on label and high resolution DPM with a powerful Smart configurable lighting allowing 3 color options able to solve extremely challenging traceability applications. To boost productivity in Intralogistics and Logistics segments, hands-free operations enjoy higher performance with Matrix 320 snappy reactivity and its outstanding Depth of Field (DOF).

Matrix 320 provides the highest market application flexibility with a modular design, a reduced number of models complemented by a complete portfolio of lenses, lightings, filters, and accessories.

The Premium platform is designed for superior performance, thanks to a new quad-core image processing platform that can double the processing power and halve the decoding time compared to the standard version. The main customer benefits of this increased computing power translate into increased throughput, and efficiency, as well as faster handling during multi-recipe mode. The Matrix 320 Premium can capture and process twice as many images as the standard version in a given time period.

Embedded electronic focus for the Liquid Lens models dramatically reduces installation time and allows easy reconfiguration improving production flexibility in line with Industry 4.0 requirements. Matrix 320 is very easy to install with its improved integrated aiming system, X-Press button HMI and DL.Code software powered by easy and intuitive autolearning/autosetup features.

C-Mount assembly modular design provides the highest flexibility in the selection and in the combination of the parts reducing the feasibility time and cost, helping system integrators to find effective powerful solutions for vertical applications in any industrial environment to grow the business opportunities.

Full industrial connectivity, overall compactness, rotating connectors and a top industrial grade make Matrix 320 extremely easy to fit into every industrial environment. New configurable 360-degree multicolor read-feedback and Green /Red Spot technology provide an outstanding visual feedback. Performance Analysis is also simplified by a new web interface to monitor the reader with a complete suite of diagnostics that leverages a new generation of FTP image saving. The new web Device Discovery simplifies the access and monitoring of all the readers in the network.

Matrix 320 2MP models compliment the current Matrix family of Matrix 120 and Matrix 220, once again establishing Datalogic leadership in Stationary Industrial Scanners.

HIGHLIGHTS

- Innovative 2MP sensor (1920 × 1080 pixels with 16:9 form factor) performs outstanding Depth of Field (DOF) and Horizontal Field of View (FOV_H)
- Smart configurable lighting solutions allowing 3 color options in two formats
- Electronic focus adjustment
- C-Mount models for maximum optical configurability and high intrinsic DOF
- Covers and filters accessories for easy stock management
- New Generation FTP Image saving
- Full industrial connectivity
- New web Device Discovery to quickly access all the readers in the network
- New configurable 360 degree multicolor visual feedback
- Top Industrial grade

APPLICATIONS

Manufacturing

Automotive, Food & Beverage, Pharmaceutical, Electronics, General Manufacturing

- Direct Part Marking Reading
- Component and Part Traceability
- Wip Traceability (Automatic)
- Print & Apply
- Secondary Packaging Traceability
- End of Line Traceability

Manufacturing, Transportation and Logistics, Retail

Intralogistics Automation, Automated Warehouse, Distribution Center

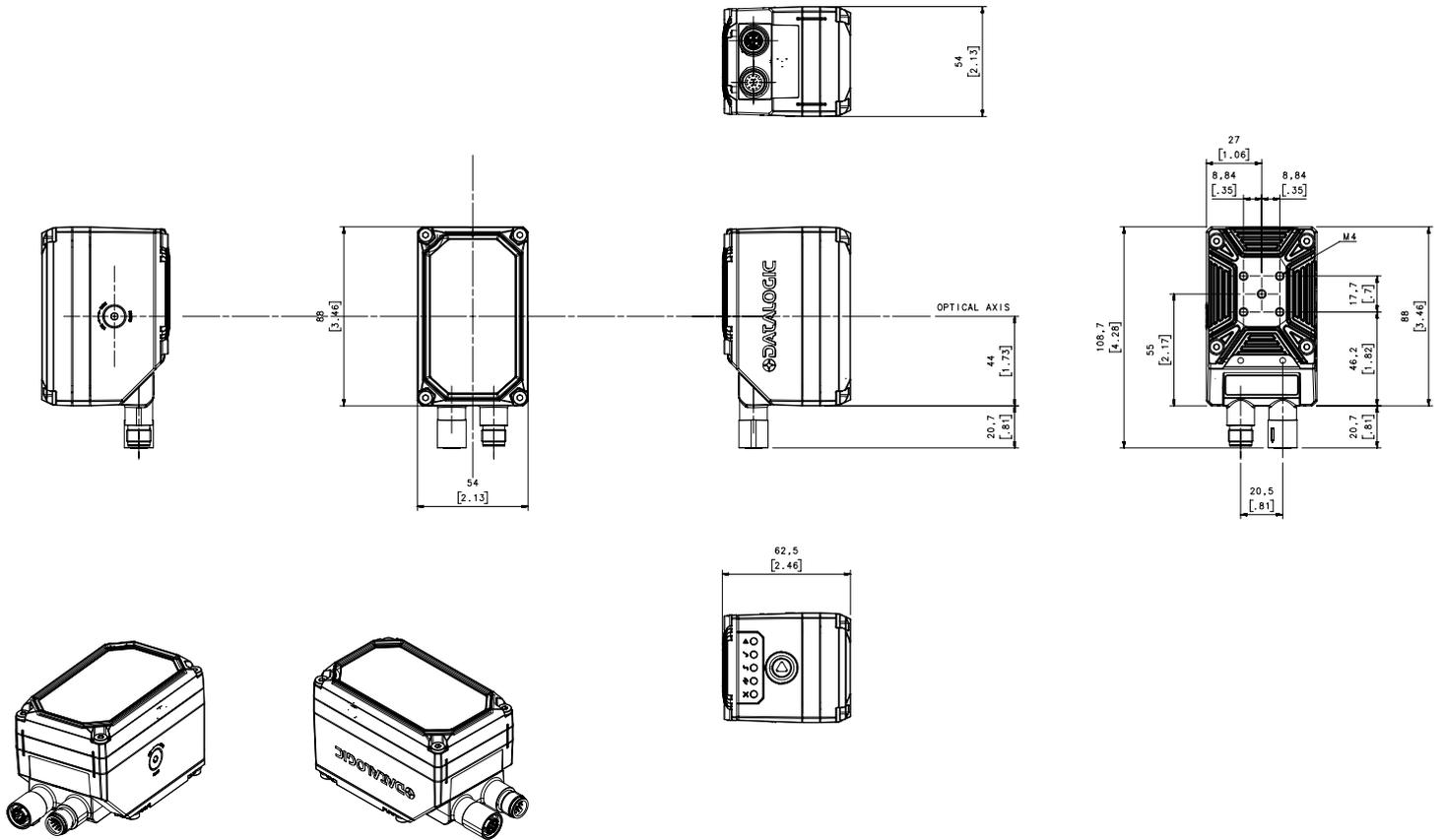
- Inbound, Pallet Picking (Forklift)
- Print & Apply verification (Re-labelling)
- Depalletizing, Part Traceability
- Order Fulfillment (Automatic, Manual)
- Palletizing (Automatic, Manual), Cage Preparation
- Pallet Traceability, Pallet Wrapping
- Retrieval for outbound (Forklift)
- Reverse Logistics

TECHNICAL DATA

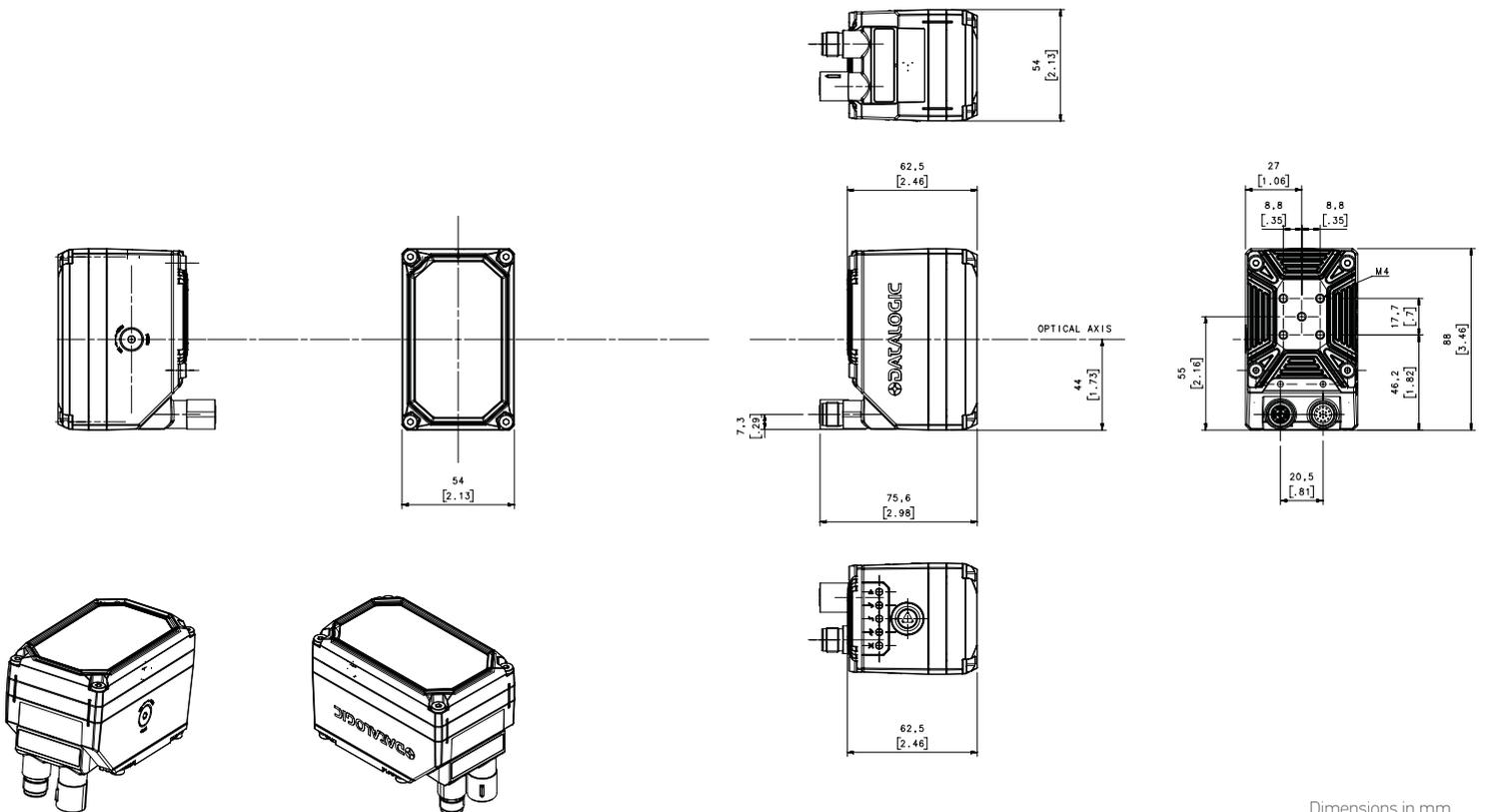
| | 14 Led Illuminator Model | 36 Led Illuminator Model |
|--|---|---|
| Sensor | Image resolution 2.0 MP (1920 x 1080) 16:9 form factor - 1/3" CMOS global shutter | |
| Frame Rate | 60 frames/s | |
| LIQUID LENS MODELS | | |
| Reading Range | 6mm: Minimum: 50 - Maximum: 550 mm 9mm: Minimum: 35 - Maximum: 1000 mm 16mm: Minimum: 70 - Maximum: 1500 mm | |
| Optical Models (Viewing Angles) | Liquid Lens 6mm (48°), Liquid Lens 9mm (34°), Liquid Lens 16 mm (20°) | |
| Optical Focus Control | Electronic focus control | |
| Illumination | Internal illuminators colors: Blue, Red, White lights (only for Liquid Lens 9 mm and 16 mm) | |
| | Internal illuminator power: High Power 14 LEDs | Internal illuminator power: Very High Power 36 LEDs |
| C-MOUNT MODELS | | |
| Optical Models (Viewing Angles) | C-Mount Lens 4 mm (68°), 6 mm (48°), 8 mm (37°), 12 mm (25°), 16 mm (19°), 25 mm (12°), 35 mm (9°) | |
| Optical Focus Control | Manual focus adjustment | |
| Illumination | Internal illuminators colors: Blue, White, IR, UV | |
| | Not available | Internal illuminators power: Very High Power 36 LEDs |
| Polarizing Filter | Available as front cover accessory | |
| Code Quality Metrics | 1D CQ Standard: ISO/IEC 15416 | |
| | 2D CQ Standard: ISO/IEC 16022/18004, ISO/IEC 29158 (AIM-DPM), ISO/IEC 15415 | |
| Power Supply | 24 VDC ± 10% | |
| Max Power Consumption | 0.42 A, 10 W max | 0.62 A, 15 W max. |
| Protection Class EN60529 | IP65 and IP67 | |
| CPU | Standard models: 4 cores @ 900 MHz - Premium models: 4 cores @ 1600 MHz | |
| Operating Temperature | Liquid lens models: -0 to 45 °C / 32 to 113 °F C-MOUNT models: -10 to 50 °C / 14 to 122 °F Part Number listed with (*) in the models table: 0 to 50 °C / 32 to 122 °F | |
| Storage Temperature | -20 to 70 °C / -4 to 158 °F | |
| Case Material | Aluminium case and plastic protective window cover | |
| Dimensions | H 108.7 x W 54 x L 55.5 mm / 4.3 x 2.1 x 2.2 in, Connector at 0° H 88 x W 54 x L 75.6 mm / 4.3 x 2.1 x 2.2 in, Connector at 90° | H 115.5 x W 126 x L 70.3 mm / 4.6 x 4.9 x 2.8 in, Connector at 0° H 101 x W 126 x L 90.7 mm / 4.6 x 4.9 x 2.8 in, Connector at 90° |
| | Liquid lens 14 LED illuminator: 380 gr / 13.4 oz | Liquid lens 36 LED illuminator: 650 gr / 22.9 oz |
| Weight | --- | C-MOUNT 36 LED illuminator: reader body 300 gr / 10.6 oz illuminator adapter 300 gr / 10.6 oz illuminator 300 gr / 10.6 oz |
| Sulfur Gas Resistance | Available for all models according to ISO EN 60068-2-43 | |
| ESD Safe | Available as front cover accessory | Not Available |
| YAG Laser Protection | Available as filter accessory (compatible with ESD cover) | |
| Flexible Cables | Available as accessories | |
| Embedded Communication Interfaces | - Ethernet 10/100/1000 Mbit/s: TCP/IP, UDP, FTP, SFTP and Fieldbus PROFINET IO, Ethernet IP, Modbus TCP - Serial RS-232/RS-422FD up to 115.2 Kbit/s + Serial Aux RS-232 up to 115.2 Kbit/s - OPC UA | |
| Reader Networking | Datalogic ID-NET™ | |
| Connectivity Modes | Pass Through, Master/Slave, Ethernet point to point | |
| Digital Inputs | 2 inputs opto-coupled and polarity insensitive Max. Voltage 30 VDC Max. Input Current 10 mA | |
| Digital Outputs | 3 Outputs: configurable NPN, PNP and PP short-circuit protected VOUT (ILOAD = 0 mA) max. 24 VDC VOUT (ILOAD = 100 mA) max. 3 VDC ILOAD max. 100 mA Using CBX connection box the first 2 outputs are opto-coupled | |
| Aiming System | Laser cross red projection aiming | |
| User Interface | Configurable 360° multicolor visual feedback Green Spot and Red Spot LEDs X-PRESS™ Human Machine Interface Beeper, X-PRESS™ Push Button, 7 LEDs (Status, Communication , Trigger, Good-read, Ready, Power on, Network) Web Monitoring Interface | |
| Device Programming | DL.CODE™ Windows-based software (programming via Ethernet or Serial Interface) with Javascript output formatter Serial Host Mode programming X-PRESS™ Human Machine Interface | |
| Warranty | 2-Year Factory Warranty | |

DIMENSIONS

MATRIX 320 14 LED ILLUMINATOR LIQUID LENS MODELS - STRAIGHT 0° CONNECTORS

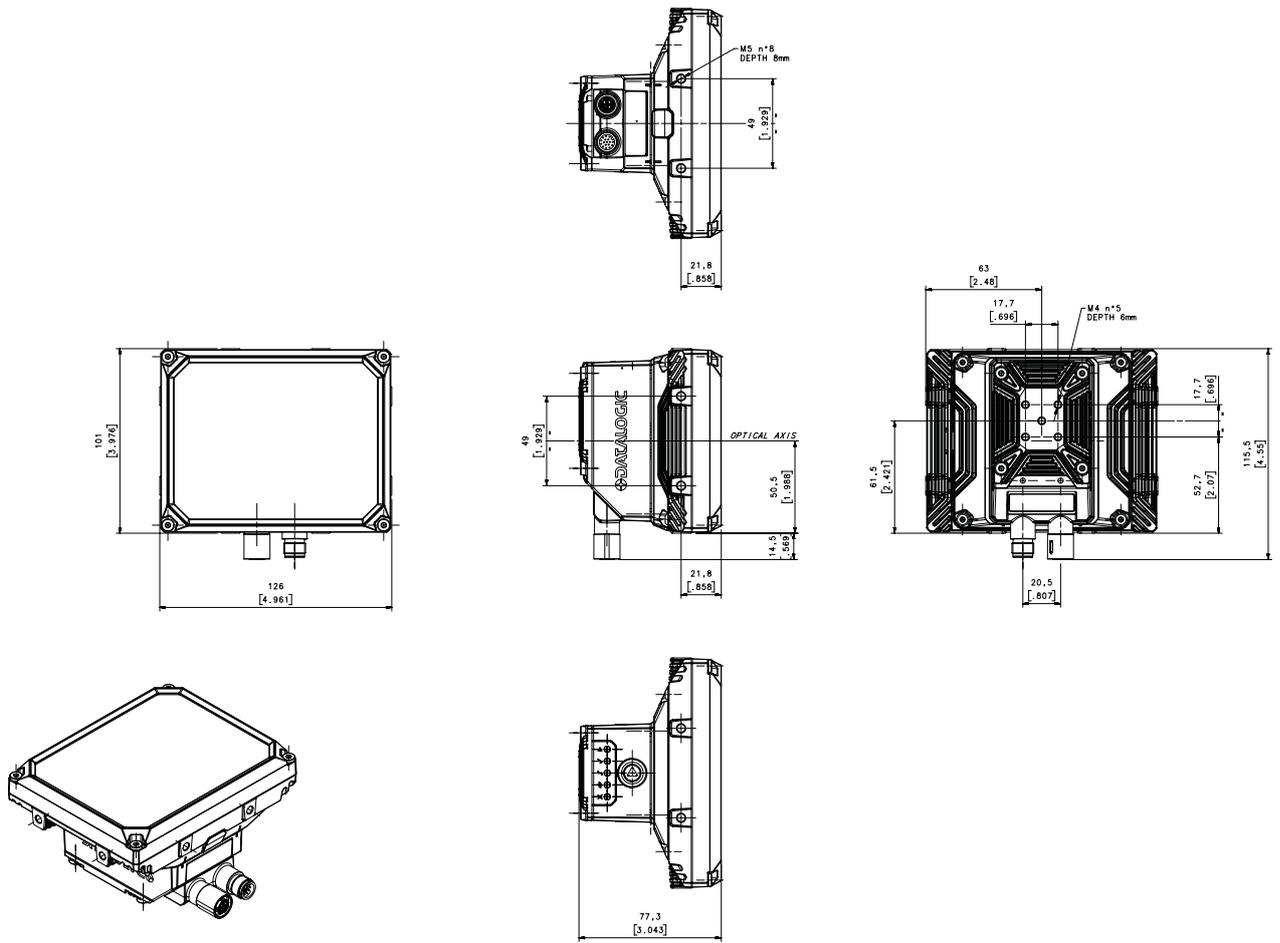


MATRIX 320 14 LED ILLUMINATOR LIQUID LENS MODELS - 90° CONNECTORS

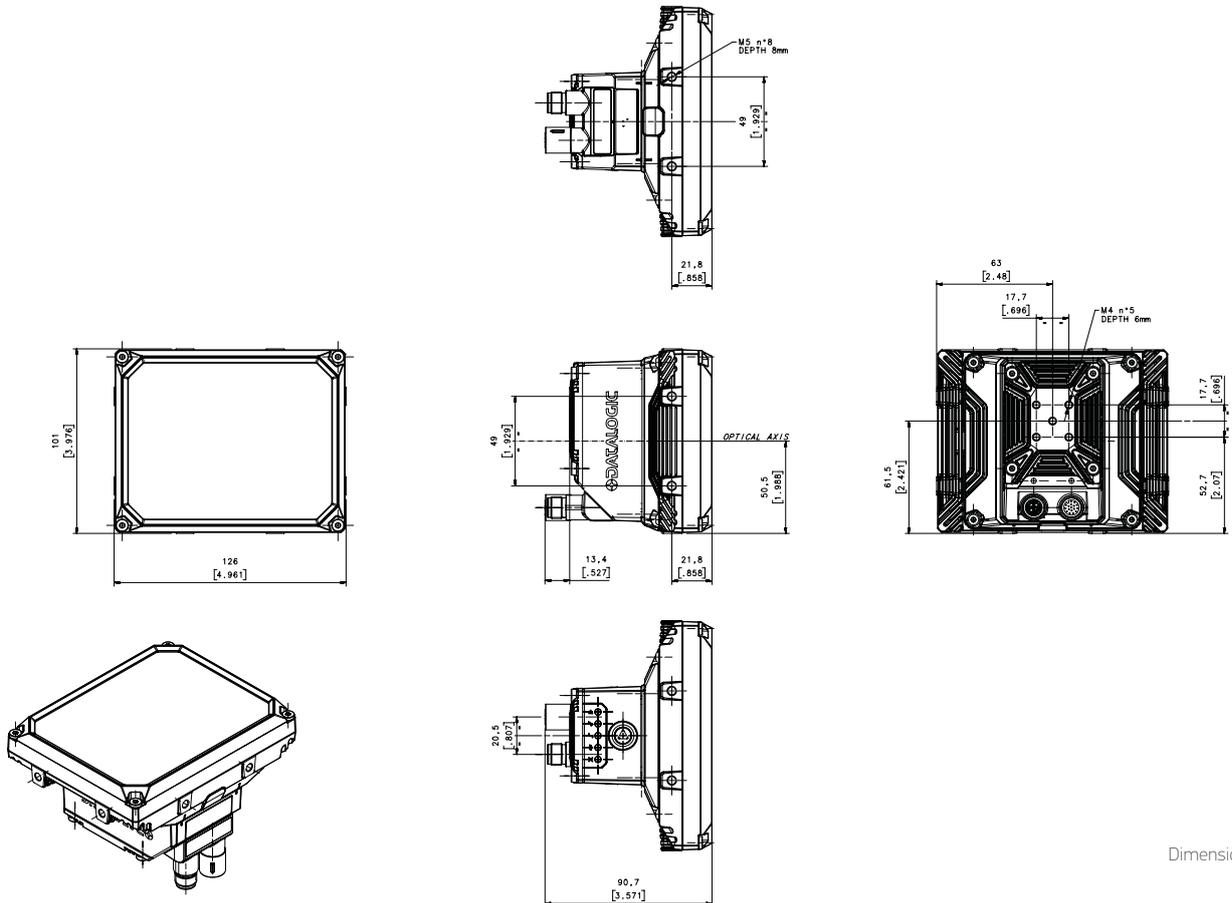


Dimensions in mm

MATRIX 320 36 LED ILLUMINATOR LIQUID LENS MODELS - STRAIGHT 0° CONNECTORS

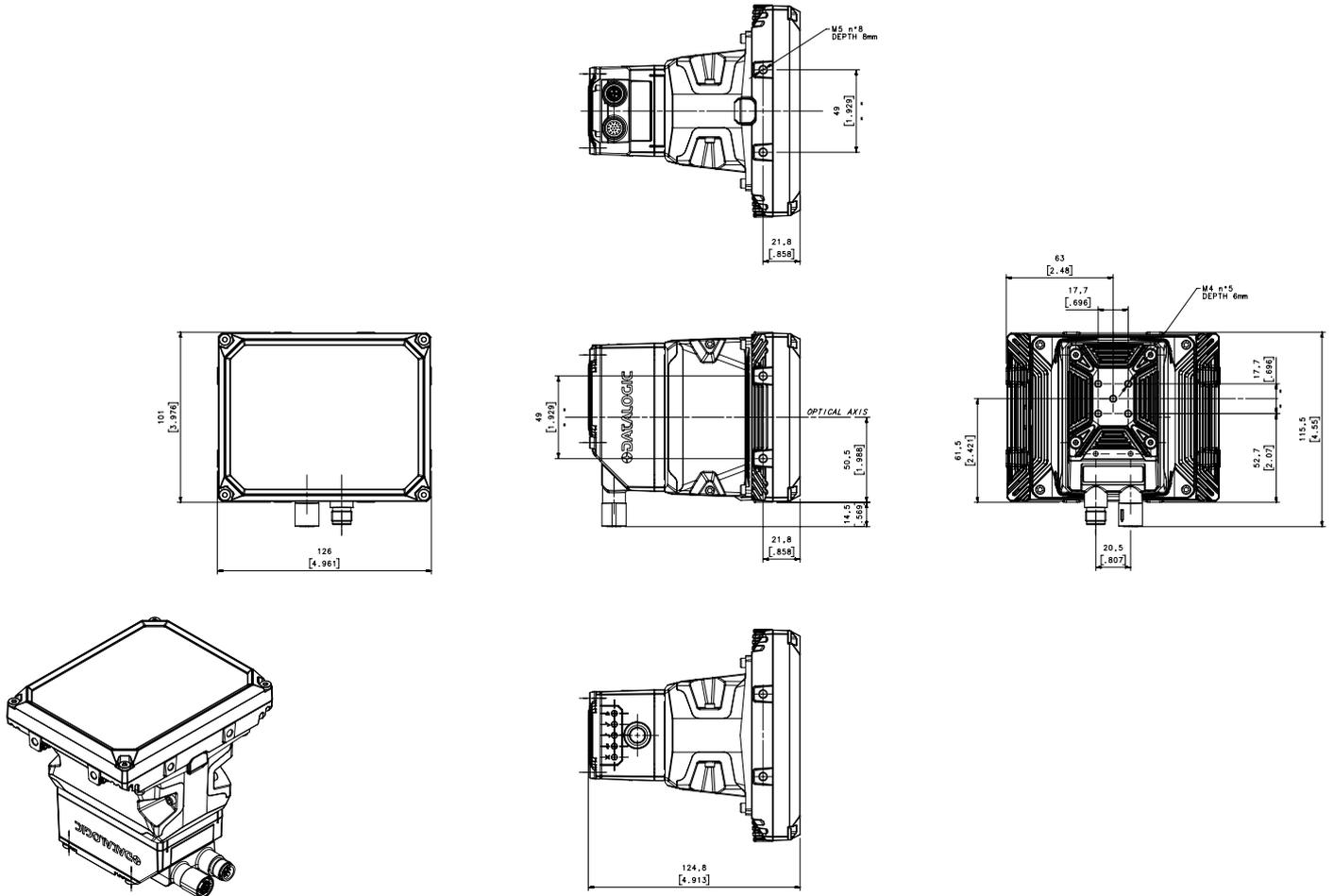


MATRIX 320 36 LED ILLUMINATOR LIQUID LENS MODELS - 90° CONNECTORS

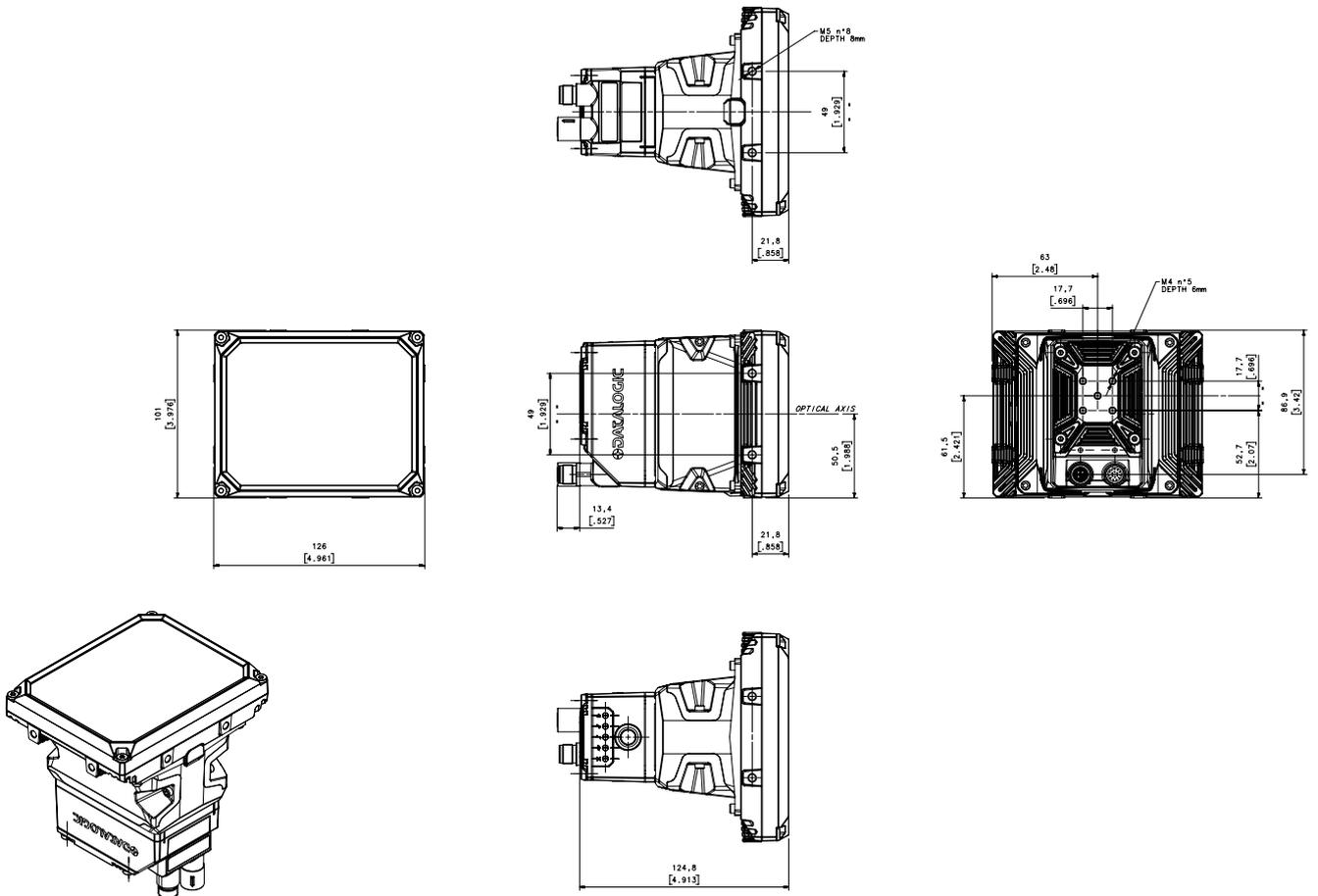


Dimensions in mm

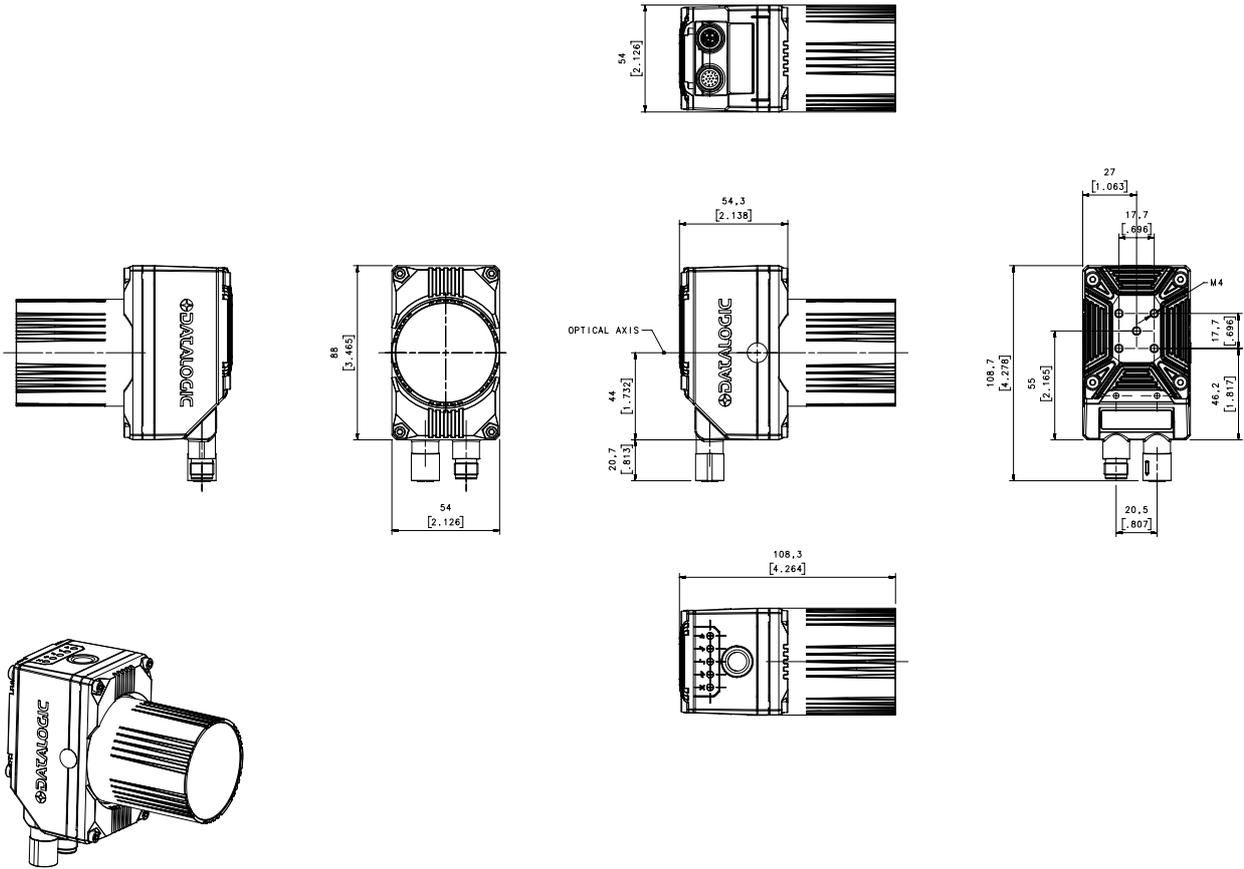
MATRIX 320 C-MOUNT FULL PRODUCT - STRAIGHT 0° CONNECTORS



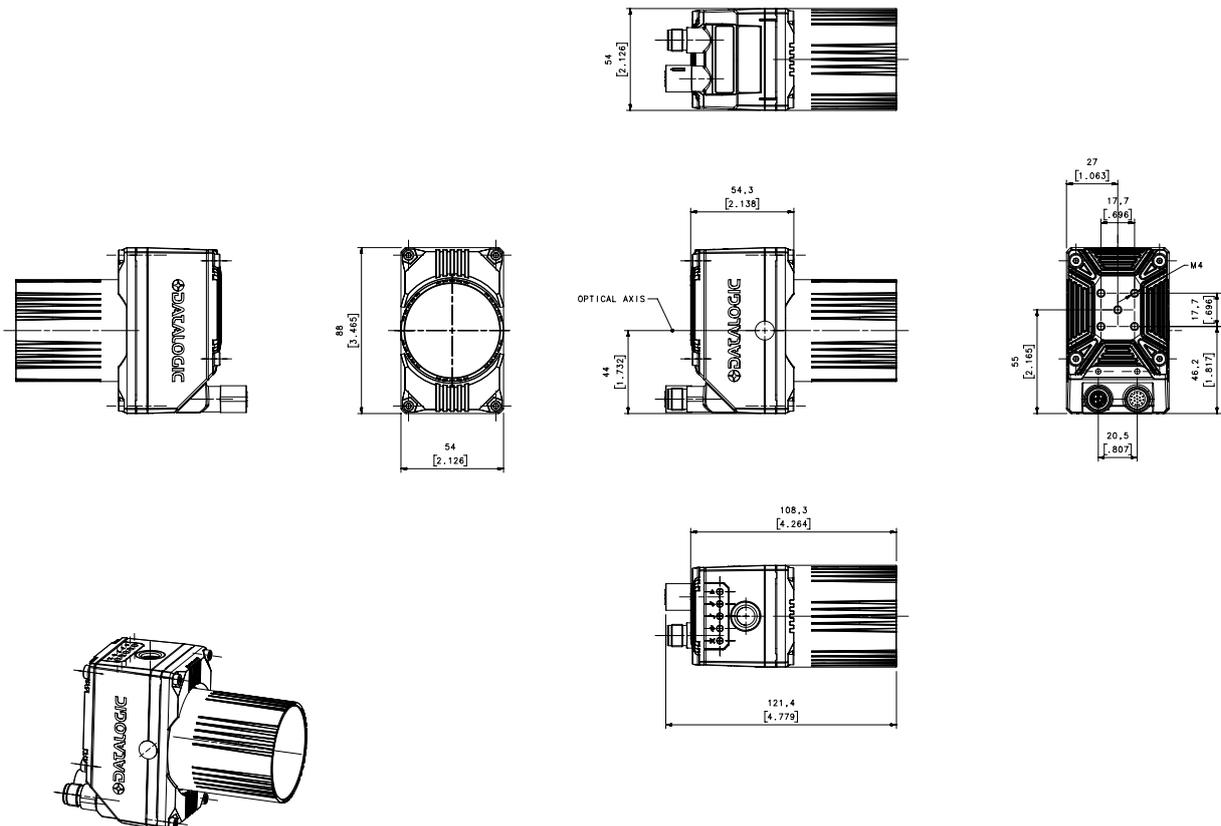
MATRIX 320 C-MOUNT FULL PRODUCT - 90° CONNECTORS



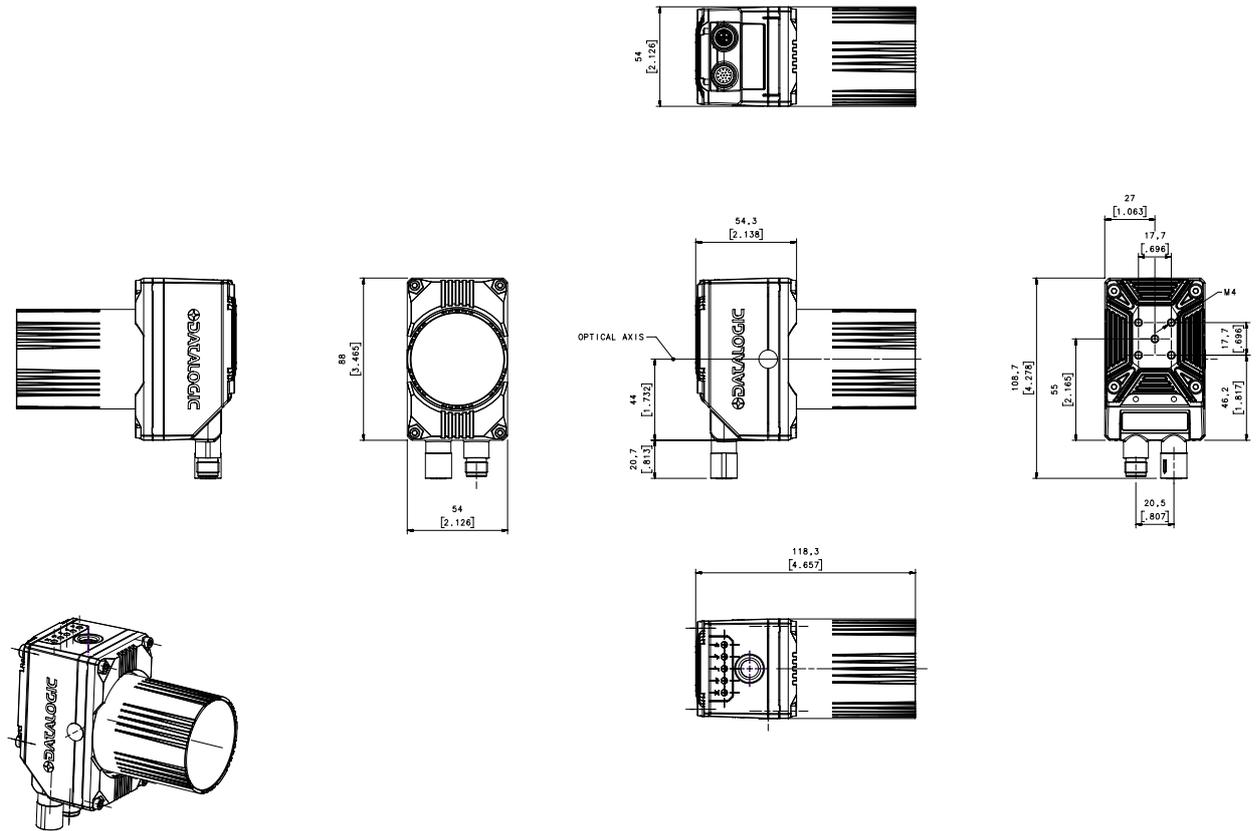
MATRIX 320 C-MOUNT READER and COVER LENS SHORT - STRAIGHT 0° CONNECTORS



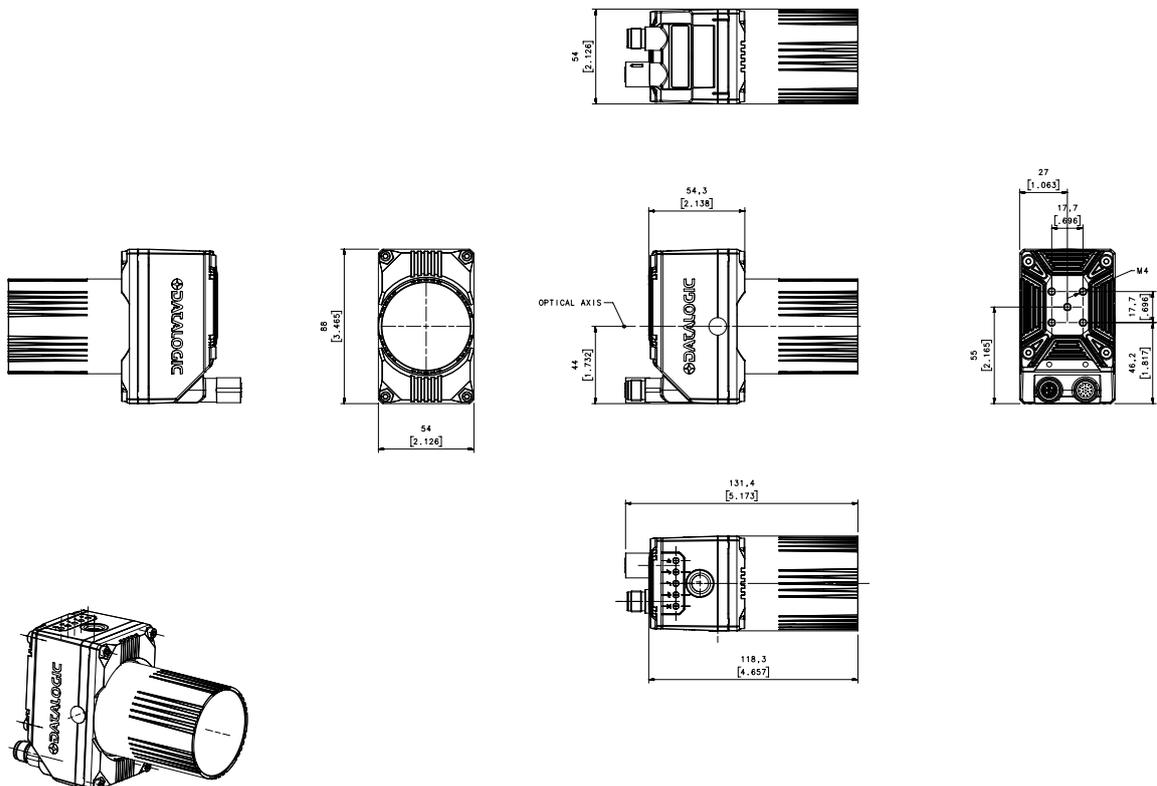
MATRIX 320 C-MOUNT READER and COVER LENS SHORT - 90° CONNECTORS



MATRIX 320 C-MOUNT READER and COVER LENS LONG - STRAIGHT 0° CONNECTORS



MATRIX 320 C-MOUNT READER and COVER LENS LONG - 90° CONNECTORS



MODELS

MATRIX 320 2MP LIQUID LENS MODELS

| P/N | DESCRIPTION | OPTICAL MODELS | | | ILLUMINATOR POWER | | ILLUMINATOR LIGHT COLOR | | |
|-----------|---------------------------------------|---------------------|---------------------|----------------------|----------------------|---------------------------|-------------------------|-----|-------|
| | | Liquid Lens 6 mm | Liquid Lens 9 mm | Liquid Lens 16 mm | 14 LED High Power | 36 LED Very High Power | BLUE | RED | WHITE |
| 938100053 | Matrix 320 701-230 LL6 14L 60D RED X | x | | | x | | | x | |
| 938100055 | Matrix 320 703-230 LL6 14L 60D BLU X | x | | | x | | x | | |
| 938100056 | Matrix 320 705-330 LL9 14L 45D RED X | | x | | x | | | x | |
| 938100057 | Matrix 320 706-330 LL9 14L 45D WHT X | | x | | x | | | | x |
| 938100058 | Matrix 320 707-330 LL9 14L 45D BLU X | | x | | x | | x | | |
| 938100059 | Matrix 320 709-430 LL16 14L 25D RED X | | | x | x | | | x | |
| 938100060 | Matrix 320 710-430 LL16 14L 25D WHT X | | | x | x | | | | x |
| 938100061 | Matrix 320 711-430 LL16 14L 25D BLU X | | | x | x | | x | | |
| 938100062 | Matrix 320 717-230 LL6 36L 60D RED X | x | | | | x | | x | |
| 938100064 | Matrix 320 719-230 LL6 36L 60D BLU X | x | | | | x | x | | |
| 938100065 | Matrix 320 721-330 LL9 36L 45D RED X | | x | | | x | | x | |
| 938100066 | Matrix 320 722-330 LL9 36L 45D WHT X | | x | | | x | | | x |
| 938100067 | Matrix 320 723-330 LL9 36L 45D BLU X | | x | | | x | x | | |
| 938100068 | Matrix 320 725-430 LL16 36L 25D RED X | | | x | | x | | x | |
| 938100069 | Matrix 320 726-430 LL16 36L 25D WHT X | | | x | | x | | | x |
| 938100070 | Matrix 320 727-430 LL16 36L 25D BLU X | | | x | | x | x | | |

MATRIX 320 2MP C-MOUNT MODELS

| P/N | DESCRIPTION | |
|---------------|----------------------------------|---|
| 938100071 (*) | Matrix 320 700-030 CM 2MP 1/3" X | Matrix 320 2MP reader body |
| 93ACC0281 | Adapter LT to CM M320 | ILLUMINATOR ADAPTER to Matrix 320 reader body |

| P/N | DESCRIPTION | C-MOUNT LENSES | | | | |
|-----------|--------------------------------------|-------------------|-------------------|----------------|---|---|
| | | Focal length (mm) | Max Sensor Format | Aperture (f/#) | Min working distance (mm) from lens front | Max working distance (mm) from lens front |
| 93ACC0285 | LNM 000-021 CM 4MM VF1.8 1/2" ED | 4 | 1/2" | f/1.8-f/11 | 0 | ∞ |
| 93ACC0286 | LNM 001-031 CM 6MM VF1.85 1/2" ED | 6 | 1/2" | f/1.85-f/11 | 50 | ∞ |
| 93ACC0287 | LNM 003-021 CM 8MM VF1.8 1/2" ED | 8 | 1/2" | f/1.8-f/11 | 50 | ∞ |
| 93ACC0288 | LNM 005 021 CM 12MM VF1.8 1/1.8" ED | 12 | 1/2" | f/1.8-f/11 | 100 | ∞ |
| 93ACC0289 | LNM 007-021 CM 16MM VF1.8 1/1.8" ED | 16 | 1/2" | f/1.8-f/11 | 200 | ∞ |
| 93ACC0290 | LNM 009-031 CM 25MM VF1.85 1/1.8" ED | 25 | 1/2" | f/1.85-f/16 | 200 | ∞ |
| 93ACC0292 | LNM 030-011 CM 35MM VF1.85 1/1.8" ED | 35 | 1/2" | f/1.85-f/16 | 200 | ∞ |

| P/N | DESCRIPTION | ILLUMINATOR KIT (includes illuminator, standard cover, adapter, bracket) | | | | | | | | Illuminator adapter | Mounting bracket |
|-----------|--|--|-----|-----|-----|----|----|--------|-------|---|---|
| | | 36 LED Very High Power | RED | BLU | WHT | IR | UV | Aiming | | | |
| 93ACC0391 | KIT LTM 002-001 S36L 120D WHT white NL | x | | | x | | | | cross | 93ACC0281 included in the illuminator KIT | 93ACC0283 included in the illuminator KIT |
| 93ACC0356 | KIT LTM 002-601 S36L 60D WHT white | x | | | x | | | | cross | | |
| 93ACC0357 | KIT LTM 002-451 S36L 45D WHT white | x | | | x | | | | cross | | |
| 93ACC0392 | KIT LTM 222-451 SA36L 45D WHT white | x | | | x | | | | grid | | |
| 93ACC0394 | KIT LTM 002-351 S36L 35D WHT white | x | | | x | | | | cross | | |
| 93ACC0395 | KIT LTM 002-151 S36L 15D WHT white | x | | | x | | | | cross | | |
| 93ACC0396 | KIT LTM 002-000 S36L 120D RED 625nm NL | x | x | | | | | | cross | | |
| 93ACC0397 | KIT LTM 002-600 S36L 60D RED 625nm | x | x | | | | | | cross | | |
| 93ACC0398 | KIT LTM 002-450 S36L 45D RED 625nm | x | x | | | | | | cross | | |
| 93ACC0399 | KIT LTM 002-350 S36L 35D RED 625nm | x | x | | | | | | cross | | |
| 93ACC0400 | KIT LTM 002-150 S36L 15D RED 625nm | x | x | | | | | | cross | | |
| 93ACC0358 | KIT LTM 002-002 S36L 120D BLU 475nm NL | x | | x | | | | | cross | | |
| 93ACC0359 | KIT LTM 002-602 S36L 60D BLU 475nm | x | | x | | | | | cross | | |
| 93ACC0360 | KIT LTM 002-452 S36L 45D BLU 475nm | x | | x | | | | | cross | | |
| 93ACC0361 | KIT LTM 002-352 S36L 35D BLU 475nm | x | | x | | | | | cross | | |
| 93ACC0362 | KIT LTM 002-152 S36L 15D BLU 475nm | x | | x | | | | | cross | | |
| 93ACC0401 | KIT LTM 002-003 S36L 90D IR 850nm NL | x | | | | x | | | cross | | |
| 93ACC0363 | KIT LTM 002-453 S36L 45D IR 850nm | x | | | | x | | | cross | | |
| 93ACC0402 | KIT LTM 002-353 S36L 35D IR 850nm | x | | | | x | | | cross | | |
| 93ACC0403 | KIT LTM 002-253 S36L 25D IR 850nm | x | | | | x | | | cross | | |
| 93ACC0364 | KIT LTM 002-004 S36L 130D UV 365nm NL | x | | | | | x | | cross | | |

| P/N | DESCRIPTION | ILLUMINATOR (includes standard cover) | | | | | | | | Illuminator adapter | Mounting bracket |
|-----------|------------------------------------|---------------------------------------|-----|-----|-----|----|----|--------|-------|-------------------------------------|------------------|
| | | 36 LED Very High Power | RED | BLU | WHT | IR | UV | Aiming | | | |
| 93ACC0294 | LTM 002-001 S36L 120D WHT white NL | x | | | x | | | | cross | Not included in the illuminator box | |
| 93ACC0298 | LTM 002-601 S36L 60D WHT white | x | | | x | | | | cross | | |
| 93ACC0302 | LTM 002-451 S36L 45D WHT white | x | | | x | | | | cross | | |
| 93ACC0330 | LTM 222-451 SA36L 45D WHT white | x | | | x | | | | grid | | |
| 93ACC0306 | LTM 002-351 S36L 35D WHT white | x | | | x | | | | cross | | |
| 93ACC0354 | LTM 002-151 S36L 15D WHT white | x | | | x | | | | cross | | |
| 93ACC0293 | LTM 002-000 S36L 120D RED 625nm NL | x | x | | | | | | cross | | |
| 93ACC0297 | LTM 002-600 S36L 60D RED 625nm | x | x | | | | | | cross | | |
| 93ACC0301 | LTM 002-450 S36L 45D RED 625nm | x | x | | | | | | cross | | |
| 93ACC0305 | LTM 002-350 S36L 35D RED 625nm | x | x | | | | | | cross | | |
| 93ACC0353 | LTM 002-150 S36L 15D RED 625nm | x | x | | | | | | cross | | |
| 93ACC0295 | LTM 002-002 S36L 120D BLU 475nm NL | x | | x | | | | | cross | | |
| 93ACC0299 | LTM 002-602 S36L 60D BLU 475nm | x | | x | | | | | cross | | |
| 93ACC0303 | LTM 002-452 S36L 45D BLU 475nm | x | | x | | | | | cross | | |
| 93ACC0307 | LTM 002-352 S36L 35D BLU 475nm | x | | x | | | | | cross | | |
| 93ACC0355 | LTM 002-152 S36L 15D BLU 475nm | x | | x | | | | | cross | | |
| 93ACC0296 | LTM 002-003 S36L 90D IR 850nm NL | x | | | | x | | | cross | | |
| 93ACC0300 | LTM 002-453 S36L 45D IR 850nm | x | | | | x | | | cross | | |
| 93ACC0304 | LTM 002-353 S36L 35D IR 850nm | x | | | | x | | | cross | | |
| 93ACC0308 | LTM 002-253 S36L 25D IR 850nm | x | | | | x | | | cross | | |
| 93ACC0309 | LTM 002-004 S36L 130D UV 365nm NL | x | | | | | x | | cross | | |

(*) Please see the Operating Temperature Technical Data

LIQUID LENS MODELS

Matrix 320 7 XX - XX 0

Sensor
7 = 2MP

Interface
3 = Gigabit Ethernet (GIGE)

Options
0 = Standard

Internal Illuminators

- 01 = 14 LED TIR Lens Aperture 60 Degree Red Light
- 03 = 14 LED TIR Lens Aperture 60 Degree Blue Light
- 05 = 14 LED TIR Lens Aperture 45 Degree Red Light
- 06 = 14 LED TIR Lens Aperture 45 Degree White Light
- 07 = 14 LED TIR Lens Aperture 45 Degree Blue Light
- 09 = 14 LED TIR Lens Aperture 25 Degree Red Light
- 10 = 14 LED TIR Lens Aperture 25 Degree White Light
- 11 = 14 LED TIR Lens Aperture 25 Degree Blue Light
- 17 = 36 LED TIR Lens Aperture 60 Degree Red Light
- 19 = 36 LED TIR Lens Aperture 60 Degree Blue Light
- 21 = 36 LED TIR Lens Aperture 45 Degree Red Light
- 22 = 36 LED TIR Lens Aperture 45 Degree White Light
- 23 = 36 LED TIR Lens Aperture 45 Degree Blue Light
- 25 = 36 LED TIR Lens Aperture 25 Degree Red Light
- 26 = 36 LED TIR Lens Aperture 25 Degree White Light
- 27 = 36 LED TIR Lens Aperture 25 Degree Blue Light

Optics

- 2 = 6 mm electronic focus (liquid lens)
- 3 = 9mm electronic focus control (liquid lens)
- 4 = 16mm electronic focus control (liquid lens)

C-MOUNT MODELS

Matrix 320 700-030

Sensor
7 = 2MP

Interface
3 = Gigabit Ethernet (GIGE)

LNM 0XX-0XX

Focal length
01 = 4mm
02 = 6mm
03 = 8mm
05 = 12mm
07 = 16mm
09 = 25mm
10 = 35mm

Min F number
2 = F1.8
3 = F1.85

Lens Type
1 = Edmund

LTM XXX-XXX

0=M320 2MP and M320 5MP
1=M320 2MP only
2=M320 5MP only

Aiming type
0 = cross aiming
2 = grid aiming

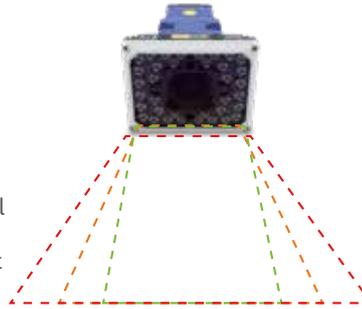
Illuminator size
2 = 36 LED

Illuminator LED lens aperture
15 = ultra narrow (15D)
35 = narrow (35D)
45 = narrow (45D)
60 = wide (60D)
00 = ultra wide (90/120/130D)

Color
0 = red
1 = white
2 = blue
3 = IR
4 = UV



Different options of Total Internal Reflection (TIR) lenses on the illuminator LEDs to match smart camera lens aperture



14 LED ILLUMINATOR MODELS AND LED CHAIN CONFIGURATION

| Lights ON | LEDs COLOR |
|------------------|------------------|
| All Chains | White, Red, Blue |
| Central Chain | White, Red, Blue |
| Top/Bottom Chain | White, Red, Blue |



36 LED ILLUMINATOR MODELS AND LED CHAIN CONFIGURATION

| Lights ON | LEDs COLOR |
|--|------------------|
| All Chains | White, Red, Blue |
| Top Left | White, Red, Blue |
| Top right | White, Red, Blue |
| Bottom left | White, Red, Blue |
| Bottom right | White, Red, Blue |
| Left | White, Red, Blue |
| Right | White, Red, Blue |
| Any combination of the above chain options | White, Red, Blue |



ILLUMINATOR LEDS COLOR

| Illuminator Power | LEDs COLOR |
|-------------------|------------------|
| 14 LED | White, Red, Blue |
| 36 LED | White, Red, Blue |



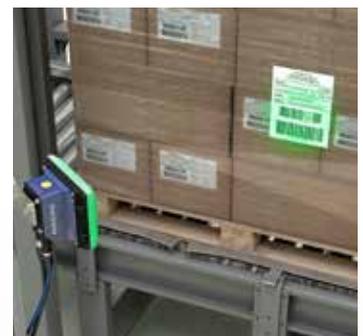
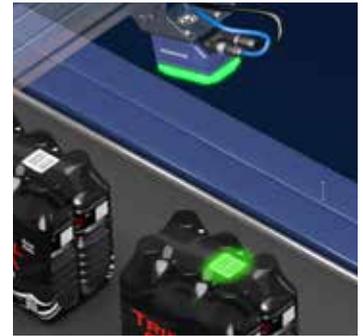
360 DEGREE VISUAL FEEDBACK DEFAULT COLOR

| Default configuration | LEDs COLOR |
|-----------------------|------------|
| Good Read | Green |
| No Read | Red |
| Configuration | Blue |



ACCESSORIES

| CATEGORY | PART NUMBER | DESCRIPTION |
|-----------|-------------------------------|--|
| CABLE | 93A050058 | M12-IP67 Cable To CBX or QL (1M) |
| | 93A050059 | M12-IP67 Cable To CBX or QL (3M) |
| | 93A050060 | M12-IP67 Cable To CBX or QL (5M) |
| | 93A051390 | M12-IP67 Cable To CBX or QL (10M) |
| | 93A050116 | M12-IP67 17p Flexible Cable To CBX or QL (1M)* |
| | 93A050117 | M12-IP67 17p Flexible Cable To CBX or QL (3M)* |
| | 93A050118 | M12-IP67 17p Flexible Cable To CBX or QL (5M)* |
| | 93A050122 | M12-IP67 GIGA Ethernet Cable X-Coded (1M) |
| | 93A050123 | M12-IP67 GIGA Ethernet Cable X-Coded (3M) |
| | 93A050124 | M12-IP67 GIGA Ethernet Cable X-Coded (5M) |
| | 93A050140 | M12-IP67 GIGA Ethernet Cable X-Coded (10M) |
| | 95A900058 | CV-N1-48-F-05 GigETH-X, Drag chain, 5m |
| | 95A900059 | CV-N1-48-F-10 GigETH-X, Drag chain, 10m |
| | 95A900060 | CV-N1-48-F-15 GigETH-X, Drag chain, 15m |
| | 93ACC0268 | Serial RS232 HID E Keybrd Converter Cbl |
| | 93A050141 | Adapter Cable FULL GIGA Ethernet X-Coded M12 to RJ45 |
| | 93A050076 | CAB-GD03 M12 F/L 3M |
| | 93A050077 | CAB-GD05 M12 F/L 5M |
| 93A050078 | CAB-GD10 M12 F/L 10M | |
| COVER | 93ACC0271 | Cover STD LT 14L M320/P2 |
| | 93ACC0272 | Cover STD LT 36L M320/P2 |
| | 93ACC0273 | Cover Polarizer LT 14L M320/P2 |
| | 93ACC0274 | Cover Polarizer LT 36L M320/P2 |
| | 93ACC0278 | Cover ESD LT 14L M320/P2 |
| | 93ACC0279 | Cover Lens and CM Base Short |
| | 93ACC0280 | Cover Lens and CM Base Long |
| FILTER | 93ACC0275 | Filter Half Polarizer LT 14L M320/P2 |
| | 95A900016 | Filter BLU Bandpass 475nm LT 14L M320/P2 |
| | 95A900015 | Filter RED Bandpass 625nm LT 14L M320/P2 |
| | 95A900017 | Filter IR Bandpass 850nm LT 14L M320/P2 |
| | 95A900039 | Filter UV Cut Longpass 415 LT 14L M320/P2 |
| | 95A900020 | Filter BLU Bandpass 475nm LT 36L M320/P2 |
| | 95A900019 | Filter RED Bandpass 625nm LT 36L M320/P2 |
| | 95A900021 | Filter IR Bandpass 850nm LT 36L M320/P2 |
| | 95A900040 | Filter UV Cut Longpass415 LT 36L M320/P2 |
| | 95A900018 | Filter YAG Cut LT 14L M320/P2 |
| 95A900022 | Filter YAG Cut LT 36L M320/P2 | |
| BRACKET | 93ACC0282 | BK-32-000 STD FIX BRACKET M320/P2 BODY |
| | 93ACC0283 | BK-32-010 PIVOT FIX BRACKET M320/P2 BODY |



* Suitable for robotic arms applications