MATRIX 320™

OIDOJATACO

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° 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 \times 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° 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

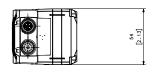
- Inbound, Pallet Picking (Forklift)
- Print & Apply verification (Re-labelling)
- Depalletizing, Part Traceability
- Order Fulfillment (Automatic, Manual)
- Palletizing (Automatic, Manual), Cage Preparation
- Pallet Traceability, Pallet Wrapping
- Retrieval for outbound (Forklift)
- Reverse Logistics

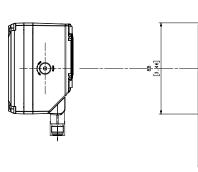
TECHNICAL DATA

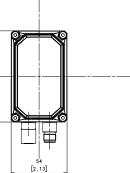
	14 LED Illuminator Model	36 LED Illuminator Model			
Sensor	Image resolution 2.0 MP (1920 x 1080) 16:9 form factor - 1/3" CMOS global shutter				
Frame Rate	60 fram	nes/s			
LIQUID LENS MODELS					
Reading Range	6mm: Minimum: 50 - Maximum: 550 mm 9mm: Minimum: 35 - Maximum: 1000 mm 16mm: Minimum: 70 - Maximum: 1500 mm				
Optical Models (Viewing Angles)	Liquid Lens 6 mm (48°), Liquid Lens 9	mm (34°), Liquid Lens 16 mm (20°)			
Optical Focus Control	Electronic for	cus control			
Illumination	Internal illuminators colors: Blue, Red, White li Internal illuminator power: High Power 14 LEDs	ghts (only for Liquid Lens 9 mm and 16 mm) Internal illuminator power: Very High Power 36 LEDs			
C-MOUNT MODELS		1			
Optical Models (Viewing Angles)	C-Mount Lens 4 mm (68°), 6 mm (48°), 8 mm (37°), 1	2 mm (25°), 16 mm (19°), 25 mm (12°), 35 mm (9°)			
Optical Focus Control	Manual focus	adjustment			
	Internal illuminators colo	ors: Blue, White, IR, UV			
Illumination	Not available	Internal illuminators power: Very High Power 36 LEDs			
Polarizing Filter	Available as front	cover accessory			
Code Quality Metrics	1D CQ Standard: 2D CQ Standard: ISO/IEC 16022/18004, IS				
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	d IP67			
CPU	Standard models: 4 cores @ 900 MHz - F	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 H 101 x W 126 x L 90.7 mm / 4.6 x 4.9 x 2.8 in, Connector at 9			
	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 accor	ding to ISO EN 60068-2-43			
ESD Safe	Available as front cover accessory	Not Available			
YAG Laser Protection	Available as filter accessory (able 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 I				
Connectivity Modes	Pass Through, Master/Slave				
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 pr				
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 Factor	Warapty			

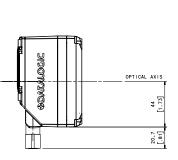
DIMENSIONS

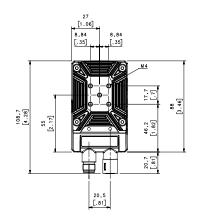
MATRIX 320 14 LED ILLUMINATOR LIQUID LENS MODELS - STRAIGHT 0° CONNECTORS









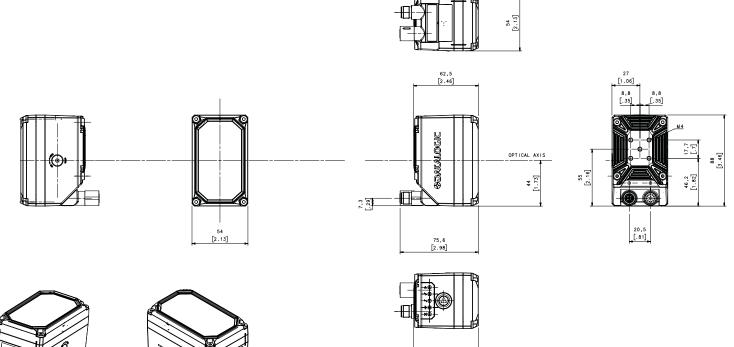








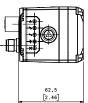
MATRIX 320 14 LED ILLUMINATOR LIQUID LENS MODELS - 90° CONNECTORS



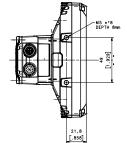
Dimensions in mm







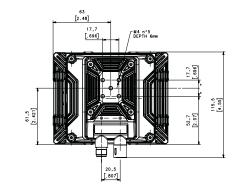
MATRIX 320 36 LED ILLUMINATOR LIQUID LENS MODELS - STRAIGHT 0° CONNECTORS

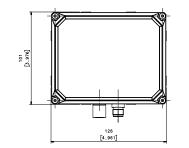


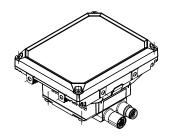
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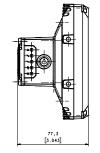
14.5 [.569

21,8 [.858]

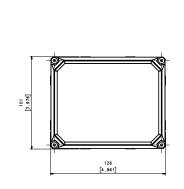


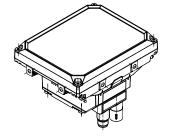


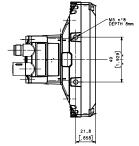


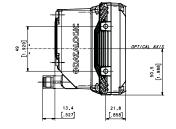


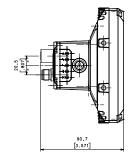
MATRIX 320 36 LED ILLUMINATOR LIQUID LENS MODELS - 90° CONNECTORS

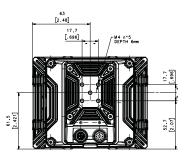








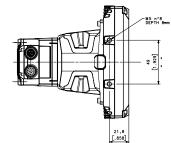


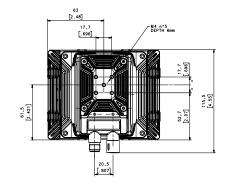


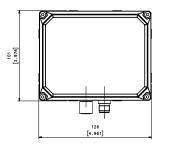
Dimensions in mm

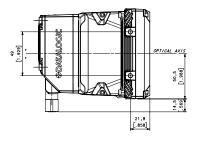
\$DATALOGIC

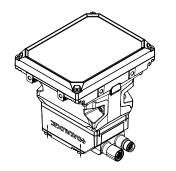
MATRIX 320 C-MOUNT FULL PRODUCT - STRAIGHT 0° CONNECTORS

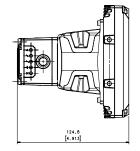










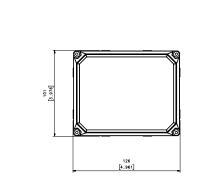


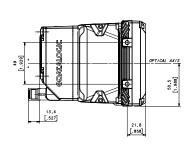
MATRIX 320 C-MOUNT FULL PRODUCT - 90° CONNECTORS

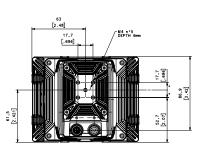
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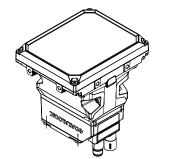
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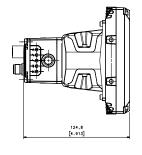
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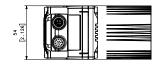


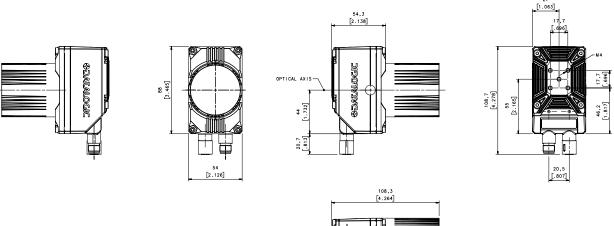


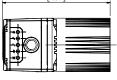




MATRIX 320 C-MOUNT READER and COVER LENS SHORT - STRAIGHT 0° CONNECTORS









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

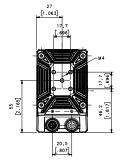
44 [1.732]

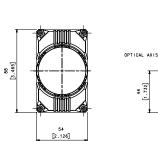


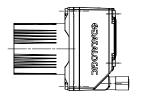
54,3 [2.138]

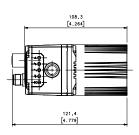
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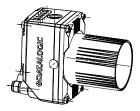
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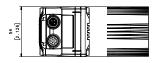


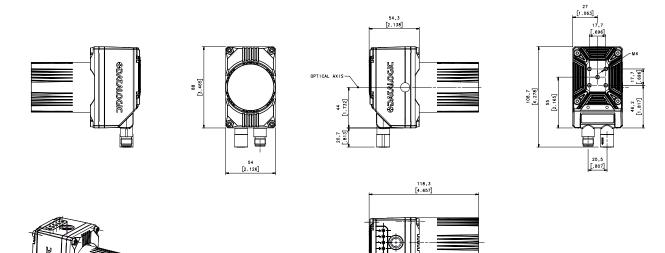




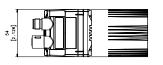


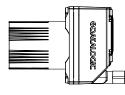
MATRIX 320 C-MOUNT READER and COVER LENS LONG - STRAIGHT 0° CONNECTORS

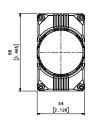


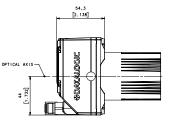


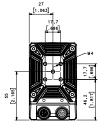


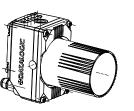


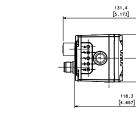








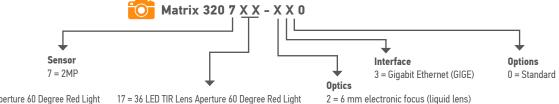




MODELS

				MP LIQUID L TICAL MODE			UMINA	TOR P	OWER	ILLUM	IINATOR LIG	HT COLOR
P/N	DESCRIPTION	PREMIUM	Liquid Lens	Liquid Lens	Liquid Lens	14 L	ED	36	5 LED	BLUE	RED	WHITE
20100052	Metrix 220 701 220 LL (1/L (0D DED X		⁶ mm	7 mm	16 mm			Very H	igh Power	DLUL		WIIIIE
238100053 238100055	Matrix 320 701-230 LL6 14L 60D RED X Matrix 320 703-230 LL6 14L 60D BLU X		X			Х				х	X	
738100056	Matrix 320 705-330 LL9 14L 45D RED X									^		
738100084	Matrix 320 705-330 LL9 14L 45D RED XP	Х		х		Х					Х	
938100057	Matrix 320 706-330 LL9 14L 45D WHT X			х		х						х
738100085	Matrix 320 706-330 LL9 14L 45D WHT XP	Х										^
738100058	Matrix 320 707-330 LL9 14L 45D BLU X			Х		Х				Х		
738100059	Matrix 320 709-430 LL16 14L 25D RED X				Х	Х					Х	
738100060	Matrix 320 710-430 LL16 14L 25D WHT X				Х	Х						Х
738100061 738100086	Matrix 320 711-430 LL16 14L 25D BLU X Matrix 320 711-430 LL16 14L 25D BLU XP	V			х	х				х		
738100086	Matrix 320 717-230 LL16 14L 25D BL0 XP Matrix 320 717-230 LL6 36L 60D RED X	Х	Х		х	х			х		х	
738100064	Matrix 320 719-230 LL6 36L 60D RLD X		X		~	~			X	х	~	
738100065	Matrix 320 721-330 LL9 36L 45D RED X		~	х					X	Λ	Х	
738100066	Matrix 320 722-330 LL9 36L 45D WHT X											
738100087	Matrix 320 722-330 LL9 36L 45D WHT XP	Х		Х					Х			Х
738100067	Matrix 320 723-330 LL9 36L 45D BLU X			Х					Х	Х		
938100068	Matrix 320 725-430 LL16 36L 25D RED X				Х				Х		х	
738100069	Matrix 320 726-430 LL16 36L 25D WHT X				Х				Х			Х
738100070	Matrix 320 727-430 LL16 36L 25D BLU X				X				Х	Х		
D/N	DECODIDITION	N	MATRIX 320	2MP C-MOU	NI MUDELS							
P/N 938100035	DESCRIPTION Matrix 320 700-030 CM 2MP 1/3					Matrix	320.2	MP room	der body			
38100071 (*)	Matrix 320 700-030 CM 2MP 1/3" X								der body			
38100101 (*)	Matrix 320 700-030 CM 2MP 1/3" XP	х							der body			
3ACC0281	Adapter LT to CM M320	~			ILLUMINA				rix 320 rea	ader bodv		
								IT LENS				
P/N	DESCRIPTION		Focal len	aht (mm)	Max Sensor	Apert				tance (mm)	Max working	g distance (n
					Format					front	from	lens front`
3ACC0285	LNM 000-021 CM 4MM VF1.8 1/2" ED			4	1/2"	f/1.8-			0			00
3ACC0286	LNM 001-031 CM 6MM VF1.85 1/2" ED		(1/2"	f/1.85-			50			~~
73ACC0287	LNM 003-021 CM 8MM VF1.8 1/2" ED		8		1/2"	f/1.8-			50			00
3ACC0288	LNM 005 021 CM 12MM VF1.8 1/1.8" ED			2	1/2"	f/1.8-			100			00
23ACC0289 23ACC0290	LNM 007-021 CM 16MM VF1.8 1/1.8" ED LNM 009-031 CM 25MM VF1.85 1/1.8" ED		1		1/2"	f/1.8- f/1.85-			200			∞
3ACC0270 3ACC0292	LNM 030-011 CM 35MM VF1.85 1/1.8" ED		3		1/2"	f/1.85			200			∞
JACC0272			J		ATOR KIT (in			ator. st		ver. adanter	r. bracket)	
P/N	DESCRIPTION		36								Illuminator	Mountin
			Very Hig	LED h Power	RED	BLU	WHT	IR	UV	Aiming	adapter	Mounting bracket
23ACC0391	KIT LTM 002-001 S36L 120D WHT white NL			K			Х			cross	_	
23ACC0356	KIT LTM 002-601 S36L 60D WHT white			K			Х			cross	_	
P3ACC0357 P3ACC0392	KIT LTM 002-451 S36L 45D WHT white			K			Х			cross	-	
73ACC0392 73ACC0394	KIT LTM 222-451 SA36L 45D WHT white KIT LTM 002-351 S36L 35D WHT white			K			X			grid	_	
3ACC0374 3ACC0395	KIT LTM 002-351 336L 35D WHT white			K			X X			cross cross	-	
3ACC0396	KIT LTM 002-000 S36L 120D RED 625nm NL			Λ K	Х		^			cross	-	
3ACC0397	KIT LTM 002-600 S36L 60D RED 625nm			ĸ	X					cross	-	
3ACC0398	KIT LTM 002-450 S36L 45D RED 625nm			ĸ	х					cross	93ACC0281	
3ACC0399	KIT LTM 002-350 S36L 35D RED 625nm		2	ĸ	Х					cross	incuded	93ACC028
73ACC0400	KIT LTM 002-150 S36L 15D RED 625nm		3	ĸ	х					cross	in the	incuded in t
73ACC0358	KIT LTM 002-002 S36L 120D BLU 475nm NL			X		Х				cross		illuminator
73ACC0359	KIT LTM 002-602 S36L 60D BLU 475nm			K		Х				cross	KIT	
P3ACC0360	KIT LTM 002-452 S36L 45D BLU 475nm			K		Х				cross	_	
P3ACC0361 P3ACC0362	KIT LTM 002-352 S36L 35D BLU 475nm			κ.		X				cross	-	
73ACC0362 73ACC0401	KIT LTM 002-152 S36L 15D BLU 475nm KIT LTM 002-003 S36L 90D IR 850nm NL			K		Х		х		cross cross	-	
3ACC0401 3ACC0363	KIT LTM 002-003 S36L 90D IR 850nm NL KIT LTM 002-453 S36L 45D IR 850nm			κ				X		cross	-	
3ACC0383	KIT LTM 002-353 S36L 45D IR 850nm			κ.				X		cross	-	
3ACC0402	KIT LTM 002-253 S36L 25D IR 850nm			λ K				X		cross		
73ACC0364	KIT LTM 002-004 S36L 130D UV 365nm NL			K					Х	cross		
					ILLUN	<u> IINATOI</u>	R (incl	udes <u>s</u>	tandard c			
P/N	DESCRIPTION			ĻED	RED	BLU	WHT	IR	UV	Aiming	Illuminator	Mounting
24.000000 (h Power		520-					adapter	bracket
V3ACC0294	LTM 002-001 S36L 120D WHT white NL			K			X			cross	_	
3ACC0298	LTM 002-601 S36L 60D WHT white			K			X			cross	-	
23ACC0302 23ACC0330	LTM 002-451 S36L 45D WHT white LTM 222-451 SA36L 45D WHT white			K			X			cross grid	-	
3ACC0330	LTM 222-451 SA36L 45D WHT white			K			X			cross	-	
3ACC0308	LTM 002-351 536L 35D WHT white			κ.			X			cross	-	
3ACC0293	LTM 002-000 S36L 120D RED 625nm NL			Λ K	Х		~			cross		
3ACC0297	LTM 002-600 S36L 60D RED 625nm			K	X					cross	1	
3ACC0301	LTM 002-450 S36L 45D RED 625nm			ĸ	X					cross		
3ACC0305	LTM 002-350 S36L 35D RED 625nm			K	Х					cross	Night in	udad in the
3ACC0353	LTM 002-150 S36L 15D RED 625nm			K	Х					cross		luded in the nator box
3ACC0295	LTM 002-002 S36L 120D BLU 475nm NL			K		Х				cross		
73ACC0299	LTM 002-602 S36L 60D BLU 475nm			K		Х				cross	-	
73ACC0303	LTM 002-452 S36L 45D BLU 475nm			K		Х				cross	_	
23ACC0307	LTM 002-352 S36L 35D BLU 475nm			K		X				cross	-	
V3ACC0355	LTM 002-152 S36L 15D BLU 475nm			K		Х		~		cross	-	
3ACC0296	LTM 002-003 S36L 90D IR 850nm NL LTM 002-453 S36L 45D IR 850nm			κ.				X		cross	-	
37660300				K	[X		cross cross	-	
23ACC0300				4								
23ACC0300 23ACC0304 23ACC0308	LTM 002-353 S36L 35D IR 850nm LTM 002-253 S36L 25D IR 850nm			K				X X		cross	-	

LIQUID LENS MODELS



3 = 9mm electronic focus control (liquid lens)

4 = 16mm electronic focus control (liquid lens)

Internal Illuminators

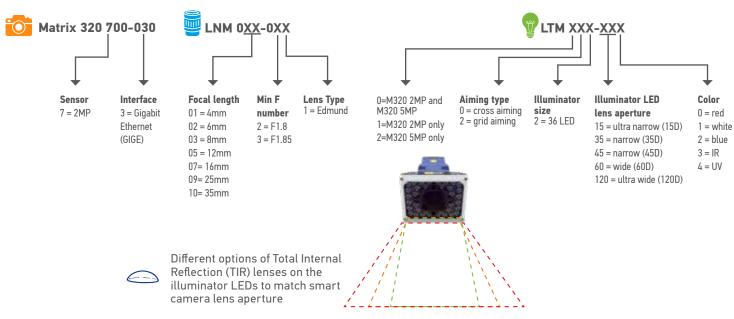
01 = 14 LED TIR Lens Aperture 60 Degree Red Light 03 = 14 LED TIR Lens Aperture 60 Degree Blue Light

- 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

C-MOUNT MODELS



14 LED ILLUMINATOR MODELS A CONFIGURATION	ND LED CHAIN
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		

COLOR	ACK DEFAULI
Default configuration	LEDs COLOR
Good Read	Green
No Read	Red
Configuration	Blue







COLATACO

ACCESSORIES

* Suitable for robotic arm applications

ATEGORY	PART NUMBER	DESCRIPTION
	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)
CABLES	93A050124	M12-IP67 GIGA Ethernet Cable X-Coded (5M)
	93A050140	M12-IP67 GIGA Ethernet Cable X-Coded (10M)
	93A050125	M12-IP67 GIGA Ethernet Flexible Cable X-Coded (1M)*
	93A050126	M12-IP67 GIGA Ethernet Flexible Cable X-Coded (3M)*
	93A050127	M12-IP67 GIGA Ethernet Flexible Cable X-Coded (5M)*
	93ACC0268	Serial RS-232 HID E Keybrd Converter Cbl
	93A050141	Adapter Cable FULL GIGA Ethernet X-Coded M12 to RJ-45
	93A050076	CAB-GD03 M12 F/L 3M
	93A050077	CAB-GD05 M12 F/L 5M
	93A050078	CAB-GD10 M12 F/L 10M
	93ACC0271	Cover STD LT 14L M320/P2
	93ACC0272	Cover STD LT 36L M320/P2
	93ACC0273	Cover Polarizer LT 14L M320/P2
COVERS	93ACC0274	Cover Polarizer LT 36L M320/P2
COVENS	93ACC0278	Cover ESD LT 14L M320/P2
	93ACC0279	Cover Lens and CM Base Short
	93ACC0280	Cover Lens and CM Base Long
	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
FILTERS	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
	93ACC0282	BK-32-000 STD FIX BRACKET M320/P2 BODY
RACKETS	93ACC0283	BK-32-010 PIVOT FIX BRACKET M320/P2 BODY

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