LECTOR IDENTIFICATION SYSTEM

HIGH-SPEED IMAGE-BASED CODE READING AND ASSIGNMENT FOR SMALL OBJECT GAPS

Track and trace systems

SICK
Sensor Intelligence.

High read rates for more throughput

Small footprint thanks to compact system design

High sorting rates and less manual post-processing

LOGISTICS LECTOR ARRAY – HIGH PARCEL THROUGH-PUT WITH SMALL FOOTPRINT IN YOUR HUB

The Logistics Lector Array system variant based on the Lector85x image-based code reader has been specially designed for the courier, express, parcel, and postal sector as well as retail and warehousing. The modular system approach allows simple single-sided reading right through to complex 5-sided reading for demanding applications.

➕ Identifies codes for different object sizes

- Deep depth of field
- New imager technology for a high light sensitivity and high resolution
- Integrated, powerful LEDs

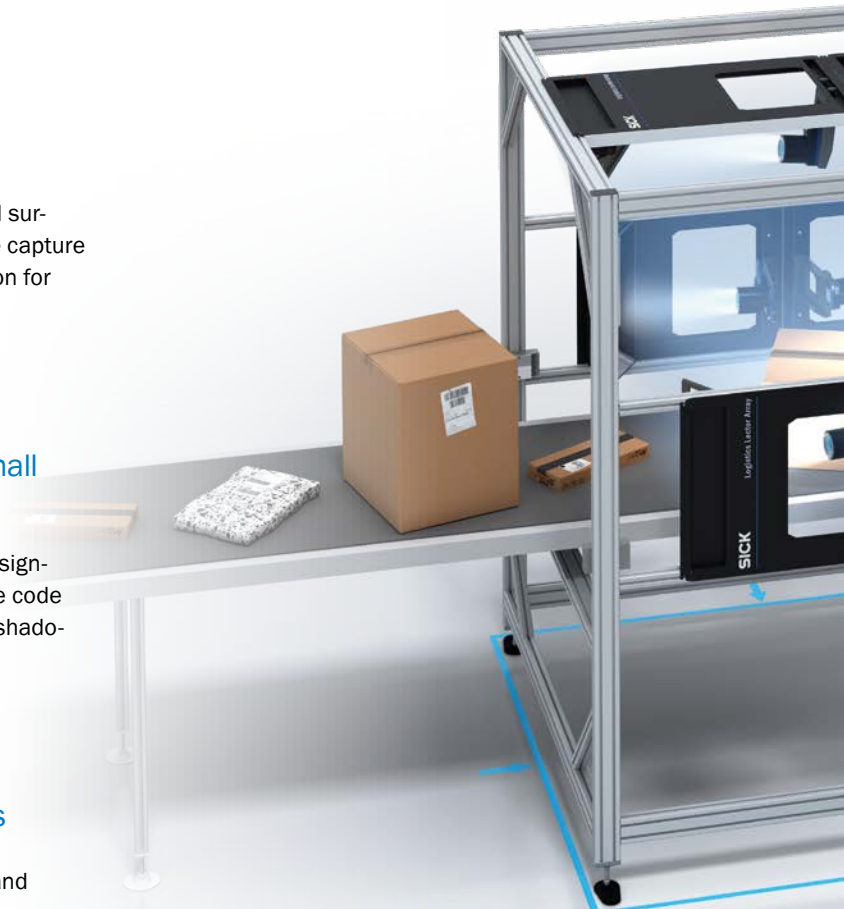➕ Detects even difficult to read codes

- Safe identification of codes on reflective or curved surfaces or codes under foil thanks to multiple image capture
- Optimized decoder algorithms with super resolution for low resolution codes

➕ Reliably detects codes even with very small gaps between objects

- 3D Software Assignment enables precise code assignment by determining the spatial coordinates of the code
- Mounting of the cameras at a steep angle avoids shadowing of the parcels
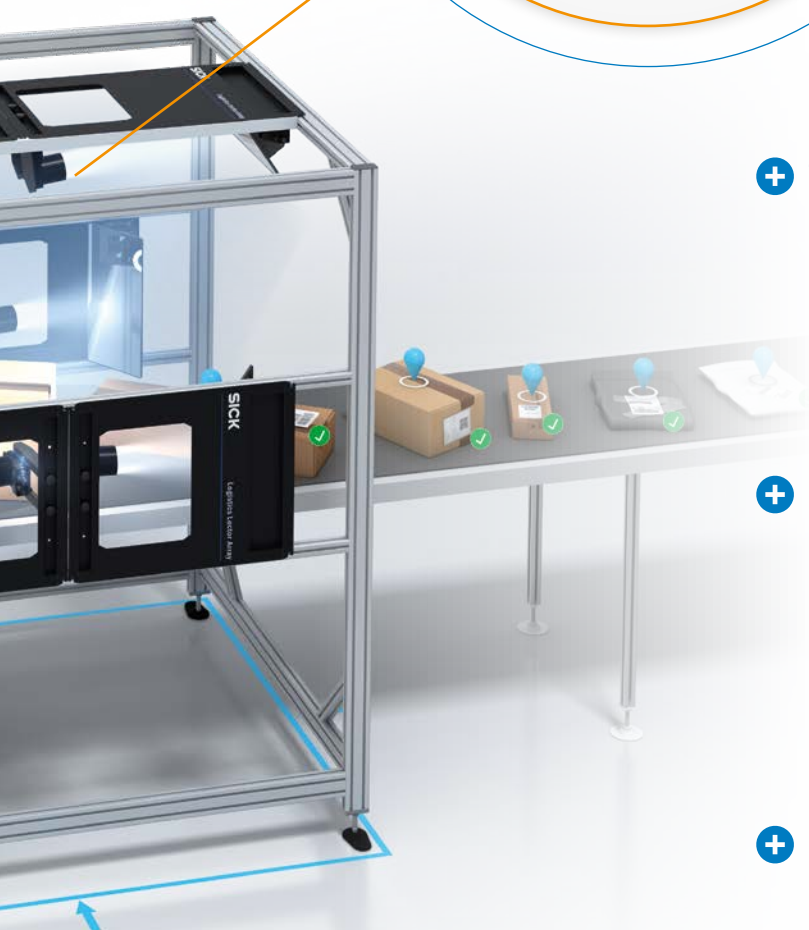
➕ Reads even at high conveyor belt speeds

- Additional processor cores enable fast decoding and image output
- AI-based decoding for fast identification of the relevant code region

1D 2D Stacked

The new Lector85x

In a compact housing, with improved depth of field, larger field of view, and 12.4 megapixels. Identifies codes even at speeds of up to 3.5 m/s.

➕ Transmits images for more efficient processes and downstream applications

- 2 x 1-GbE image channel allows image transmission for OCR/VCS and concurrent image archiving
- Can be connected to analytics software, e.g., Package Analytics

➕ Fits in any space: compact system design

- Compact camera housing
- Fewer cameras required thanks to the larger field of view and deeper depth of field of the individual cameras
- Steep angle mounting of the cameras possible
- Very short reading distances implementable using mirrors and different camera lenses to choose from
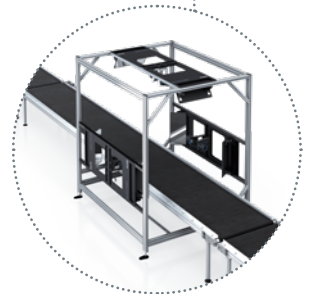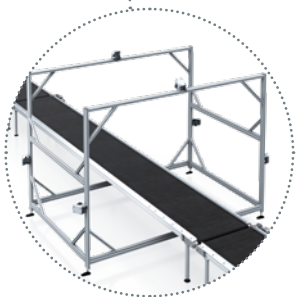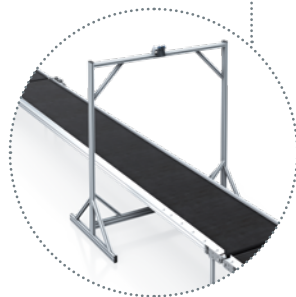
➕ Out-of-the-box or customized solution

- Prefabricated standard system variants are available for fast integration
- A customized solution can be created for special requirements
- Individually expandable: dimensioning, weight measurement and more

OCR

Video coding

Interface

FINDING THE RIGHT SYSTEM FOR EVERY APPLICATION

System variant	Logistics Lector Array Top			Logistics Lector Array 3-sided		Logistics Lector Array 5-sided		
	Top-101	Top-103	Top-106	3-sided -101	3-sided -102	5-sided -101	5-sided -102	5-sided -105
Code	1D, 2D			1D, 2D		1D		1D, 2D
Covered sides of objects	top			top, right, left		top, right, left, front, rear		
1D code resolution in mm	0,33-1,0		0,25 - 1,0	0,33-1,0		0,33-1,0		
2D code resolution in mm	0,5-1,0		0,4 - 1,0	0,5-1,0		-		0,5-1,0
Read field width in mm	up to 800	up to 1200	up to 600	up to 800		up to 700		up to 600
Object height in mm	up to 600		up to 500	up to 600		up to 600		up to 500
Transport speed in m/s	up to 2,5		up to 1,5	up to 2,5		up to 1,5		
Number of cameras	1	2	1	3		6		5
Mirror module	-			-	✔	-	✔	-

Not found the right system variant?
On sick.com/Lector_Identification_System you will find more prefabricated system variants or, if required, we will be happy to create your individual solution.

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