

MATRIX 450 : ONE-SHOT READING IN MOTION!



5 million pixels captured 15 times in a second: MATRIX 450 , the new-born 2D imager from Datalogic Automation, sets a new frontier in automatic traceability. Datalogic' s new 2D imager Matrix 450 captures 5 million pixels 15 times per second and delivers unprecedented reading performance regarding area coverage and speed, thus enabling a wide range of logistic applications, never covered before by a 2D-Imager. Thanks to its extraordinary acquisition rate at very high resolution – also supported by a strong illuminator – Matrix 450 is the perfect solution for high speed transportation on small and middle size conveyors. With Matrix 450 , multiple reading attempts are no longer needed: thanks to the large area coverage in a single shot, the highest rate of reading performance and ease of use are granted. No moving parts, rugged metal construction, IP65 enclosure rate and operative temperature up to 45° C ensuring a long life cycle even in harsh industrial environments.



This new 2D imager combines Datalogic' s extensive experience in optic design and the excellence of decoding libraries. Regarding traceability, a key contributor to the efficiency of industrial processes, image acquisition speed in itself is not enough – elaboration is the key, i.e. the ability to search and decode the code rapidly. Matrix 450 high performance is achieved through an optimal balance between image acquisition and elaboration.” MATRIX 450 perfectly meets the requirements of both automated and

manual material handling. Some special features – continuous acquisition option, no-flashing white illumination, patented colored spot indicators – actually make MATRIX 450 the unprecedented solution for operator attended applications, as manual object presentation in overhead scanning mode or manual conveyor loading. In designing MATRIX 450, image archiving and connectivity were taken into high consideration. Thanks to 512 MB of internal memory, captured images are stored on-board and optionally transferred to external supports through the integrated Gigabit Ethernet connectivity. The embedded ID-NET communication interface enables the readers clustering, fundamental to effectively extend the reading area coverage for single side and multi side applications.

PRODUCT HIGHLIGHTS

- 5M pixels image sensor, 15 FPS
- Gigabit Ethernet Integrated Connectivity
- Adjustable focus through C-Mount lenses
- White and Blue lighting options
- Continuous, no-flashing Lighting
- Patented colored spot indicators
- Outstanding decoding capability on 1D, 2D, Stacked, Postal symbologies
- Region Of Interest Windowing for higher frame rate
- Blue Diamonds aiming (patent pending) and focusing system
- X-PRESS for easy and intuitive setup
- ID-NET embedded high speed connectivity



APPLICATIONS

- Transportation & Logistic
- Automated Conveyor sorting
- Manual Postal sorting
- Distribution and Retail
- Order fulfillment and verification
- Multimedia sorting
- Reverse Logistics process