



SECURITY AND DATA MANAGEMENT SOLUTIONS FOR
LOGISTICS



DALLMEIER SECURITY AND DATA MANAGEMENT SOLUTIONS FOR **LOGISTICS.**



IMAGE-BASED CAPTURE AND
CORRELATION OF DATA IS A
SIGNIFICANT COMPETITIVE
ADVANTAGE IN LOGISTICS.

OPTICAL VERIFICATION AND DOCUMENTATION UPON ENTRY AND EXIT

Logistics personnel benefit from a wide range of financial advantages with the modular solutions from Dallmeier. This begins with the optical verification and documentation of processes at entry and exit, improved claims management and an innovative concept for a semi-automated perimeter protection by combining the superior Panomera® camera technology with AI-based object classification. Indoors, the systems from Dallmeier enhance many processes such as the localisation of misplaced packages, more effective monitoring of many different processes by capturing large spatial contexts with considerably fewer camera systems, through to automatic volume measurement “on-the-fly” with special 3D camera systems.





PERIMETER PROTECTION WITH PANOMERA® AND AI: PROTECTION OF CUSTOMERS AND EMPLOYEES

At the perimeter, the Dallmeier Panomera® systems provide cost-efficient protection against break-ins and uncontrolled outflow of goods – with substantially lower infrastructure and personnel costs than conventional systems. This is made possible by two components: firstly, the patented multifocal sensor technology. In this case up to eight sensors with different focal lengths are fitted in one housing and “stitched” together by intelligent software to make one overall image. This makes it possible to capture much longer fence sections with just one camera system, and with precisely definable image quality for usability in court and analysis. Secondly, the intelligent use of AI-based analysis technology enables a significant reduction in false alarms at the perimeter, as only verified alarms are reported – e.g., incidents in which the system has pre-qualified people or vehicles with a certain level of probability.

IMAGE-SUPPORTED MANAGEMENT OF WIDELY DIFFERENT PROCESSES

The area and distance cameras of the Panomera® series enable a completely new dimension of overview and control of the enormous range of processes in logistics operations: The advantages can be felt in everything from improved claims management through comprehensive documentation, control of transfer of liability, optimised flow of goods and information up to monitoring of production lines in contract logistics. Claims can be tracked and attributed accurately, both with regard to transfer of liability and in cases of vehicle and building damage. In this way, employees and customer relationships are protected through clear responsibilities and provability. The imaging systems are supported in this by various analysis functions.

The result: Better relationships with employees and customers, and the optimisation of the entire process chain between goods inward and goods outward help to reduce costs considerably in administration, scan times, search processes and site admin.

LOCALISATION AND TRACKING OF PACKAGES: COMPLETE CONTROL OF YOUR UNIT GOODS

Misplacement of cargo is a known challenge in logistics, and it leads to high costs. By combining the large overview images from the Dallmeier Panomera® 360° systems with single sensor cameras and intelligent software functions, employees can identify and relocate lost or incorrectly deposited items much faster using the consignment number and/or scan data.

AUTOMATIC VOLUME MEASUREMENT: TIME SAVING WITH OPTIMISED PAYMENT OF FREIGHT CHARGES

From now on, volume measurement is also child’s play: Special 3D cameras in the Dallmeier measurement portal capture volumes, replacing manual capture processes. Possible incorrect and mistaken entries of dimensions (L/W/H) are detected and the correct data is transferred to the warehouse management system. And in order to guarantee seamless integration in proven processes, an existing travel path can be defined quite simply as the measuring segment. In conjunction with the usual wireless weighing forks on floor transport vehicles, the results of the volume measurement can also be combined directly with the weight information. This enables immense savings of time for logistics professionals when capturing data and increases accuracy when calculating or recalculating fees.

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Perimeter and premises protection:



- Protection against break-in and theft with "Virtual Guard" function
- Two-tier object classification reduces false alarms by up to 90%
- Fewer cameras and lower infrastructure costs with patented Panomera® multifocal sensor system
- Uninterrupted video observation of the entire area with definable resolution

Entry and exit:



- Detailed documentation of processes at the entrance gate
- Automatic number plate recognition (ANPR)
- Documentation of ID numbers on containers and swap bodies
- Visual documentation of claim incidents, vehicle data and seals

Claims management:



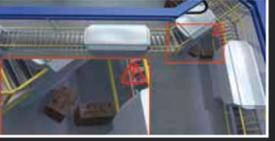
- Immediate clarification of liability
- Protection of employees and customer relations
- Capture of damage to vehicles and buildings (e.g., rubber lips) and transfers of risk
- Full coverage visual documentation with patented Panomera® multifocal sensor system

TAPA certification:



- Total solutions for TAPA-compliant, high-quality video documentation
- Total solutions for warehouses, loading and shipping areas and premises/perimeters
- (Over)fulfilment of FSR standards and TAPA certification

Image-supported process:



- Monitoring of production lines in contract logistics
- Optimisation of the flow of goods and information
- Comprehensive 360° views and capture of largest optical contexts with minimal number of cameras
- Improvement of accident prevention and occupational safety through video documentation of claim incidents

Tracking:



- Efficient search and tracking of freight goods
- Significantly faster tracking of misplaced and lost package items according to consignment number
- Synchronisation of various scan events accurate to one frame with time server

Automatic volume measurement:



- Automatic, instantaneous volume measurement "on-the-fly"
- Elimination of manual capture processes
- Identification of incorrect dimension entries (L/W/H)
- Automatic transfer of actual volume data to the warehouse management system





Dedicated to quality. Driven by passion.

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