



AUTOMATED CONTAINER GATE MONITORING SOFTWARE



KRUPP TECHNOLOGY
SOFTWARE PLATFORM



FLEET MONITORING
MANAGEMENT SOLUTIONS



CONTAINER MONITORING
MANAGEMENT SOLUTIONS

INTRODUCTION






With ever-growing increased demand in global trade, the volume of container based logistics keep raising the bar. There are hundreds of containers of different kinds passing through each container station gate a day making huge pressure on manual controlling and monitoring of containers and associated trailers, trucks, permits. Krupp's Automated Container Gate Monitoring Software is the answer to effective 24/7 monitoring of vehicles, trailers, trucks and containers in and out, detecting unauthorized movement and helping fight against smuggling, frauds, mistake and ignorance.



FEATURES

- ✓ Automatic video analytic container classification (20ft, 40ft, double 20ft, etc...)
- ✓ Automatic vehicle classification with special tuning for trailers and trucks
- ✓ Automatic container code recognition (image to text) supporting ISO 6346 and various standards
- ✓ Automatic vehicle license plate number recognition (image to text)
- ✓ Automatic container-vehicle association
- ✓ Automatic In-Out direction tracking and matching
- ✓ Automated gate clearance authorization and gate control
- ✓ Container and vehicle counting with direction
- ✓ Real-time monitoring and alerts
- ✓ Forensics data capture and timestamping
- ✓ Visual reviewing and evidence report
- ✓ Analytical reporting and performance analysis
- ✓ Heavy-duty engine for fast and reliable recognition at industry top accuracy

APPLICATIONS

-  Gate control for container depots, seaports, airports, inland ports, etc.
-  Customs and border control
-  Logistics monitoring, auditing and forensics
-  Smart border, smart depot
-  Large scale logistic optimization

SUPPORTING MODULES

FUNCTION	DETAIL
Lane monitoring	<ul style="list-style-type: none"> • Sensor integration • Camera integration • Control execution system integration • Real-time vehicle and container pass monitoring and matching • Pass logging to database with event bundling and correlation • Multiple criteria log searching and reviewing • Evidence reporting • Various statistical and analytical reporting • Configuration and parameterization
Container code recognition	<ul style="list-style-type: none"> • Trigger based recognition • Digital video stream input • ISO 6346 container code format support • Associated image and recognized container code
Vehicle license plate number recognition	<ul style="list-style-type: none"> • Trigger based recognition • Digital video stream input • Generic and country specific plate number format support • Associated license plate image and number
Monitoring portal	<ul style="list-style-type: none"> • Real-time video monitoring with gate view/multi-lane/single lane focus option • History search and replay with multiple search criteria including gate id, lane id, container code, vehicle plate number, time range, direction • Evidence reporting with vehicle and container detail • Statistical report for container counting, vehicle counting with direction specific • Various configurable options per lane, per gate and system wide administrative



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