

Container Management Solution



Container Transportation Background

Container transportation is widely used for long-distance logistics throughout the world.

Benefits

- Replace manpower with mechanical equipment
- Reduce loading and unloading operations, shorten loading and unloading time
- Ensure that the goods are in good condi-• tion
- High endurance and compact storage

Market trend of container transportation

- Growing size of container transportations • in logistics chain will cause congestions and conflicts inevitably
- Increasing demand by couriers due to trade internationalisation.
- Growing investments in new technologies by shipping companies to maintain a steady customer relationship.



Port



Railway



Major Challenges

Manual verification leads to low efficiency

- Manual recording of container number • and lead seal is inefficient, causing congested traffic for lorries.
- Paper records of Container number can lead to easy mistakes, and hard to be digitally archived.
- Poor working environment for tallymen, and potential safety risks in busy traffic.



The Traditional Inspection SOP







Container No. records

Plate No. records

Solution Highlights

AI-Based CNR System

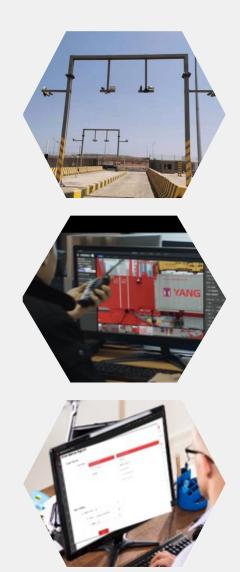
Automatic recognition of container number Approzx. 98% recognition accuracy rate Video-triggered recognition simplifies front-end response

Remote View and Scheduling

AI-Based CNR System Video and image captures for post-event verification. Improved traffic efficiency Remote container monitoring in real time Inspect from all-angles

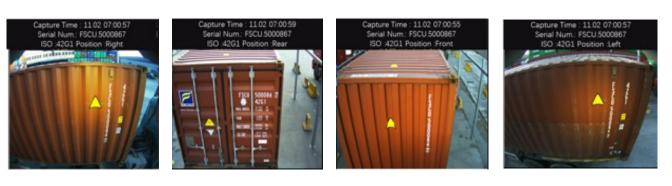
Rich Data for Operational Efficiency

Support multiple data type identification: container number, ISO code, check digit, license plate number Support 3rd party integration Friendly UI design



Application Workflow & Solution Deployment

Lorry Lane Left Serial No.: 5000123 D IOS Code: 42G1 Plate No.: LA 6902 CM CM PanoVu Camera (optional) Front Rear ANPR Camera Right



CNR Camera

Ensure over 98% recognition accuracy. Identify all standard container sizes Record data with moving truck (less than 30 km/h)

PanoVu Camera

Takes photos of all sides for quick checking of container appearance. *PanoVu can be installed on gantry based on project needs.

ANPR Camera

License plate recognition. Entrance and exit barrier control.

HikCentral All-in-one Management

An interface shows the complete information of container transportation

															图片
一件:	通 0	进 3	离 0	停:	出 ÷	放 ÷	12 · · ·	敌 :	-R ÷	* :	\$:	R. . :	\$:	8	
03 test	入场			1990	Btil	自动	旅行	#8		10.97年		未知		Ma	
45 test	入场			25390	1056	自动	漱 行	¥8		1007276		未知		MAR	
96 test	入场			29310	Rtil	自动	放行	48-E		油时车		未知		35/0	
79 test	入场			2/310	Rtil	自 己。	致行	移名		油时东		#30		两位	
41 test	入场			35340	BCU	自动	放17	88		编时东		9430		Ma	
25C test	入场			32399	BRIL	自动	漱行	88		编制车		*30		Ha	the second se
60' test	入场			3/299	联纪	自动	旅行	¥6		他对年		*10		MO	
ISS test	入场			3/910	Etil	自动。	放行	非名		临时车		未知		其他	在時間片
39 test	入场			149390	Rtil	自动	旅行	非任		编时年		9830		其他	aL 10862
test	入场			159390	RCU	自动	放行	非有		inets:		750		其他	
87 test	入场			15:5390	Rtil	直动	放行	非有		他对车		:#30		两位	集装箱图片
00 test	入场			15分钟	Itil	自初	旅行	非名		他时车		朱知		两位	
36 test	入场			159340	Itik	自初	放行	非省		临时车		94:50		其他	
90 test	入场			165390	Rtil	自动	旅行	\$8		编对车		*30		其他	左侧南限图片
176 test	入场			245390	Rtik	自动	旅行	38		编对年		*10		其他	
86: test	入场			245319	Rtil	自动	放行	38		编时至		9430		其他	
PL4 test	入场			245980	BEA	845	旅行	II-8		编行至		*50		其他	之他本田图片
524 test	入场			24分钟	Btil	曲約	放行	88		编时东		*30		其他	
075 test	入场			265910	Etil	自动	放行	92		iter free		990		其他	
72 test	入场			28分钟	Rtil	前北 …	放行	日名		编档集		:#30		其他	A Brancowski A
															东宇信息
															朱生地名

Container Information

Including container serial code, ISO code, Owner Prefix, vehicle entry and exit time, vehicle plate number and so on.

Vehicle Picture

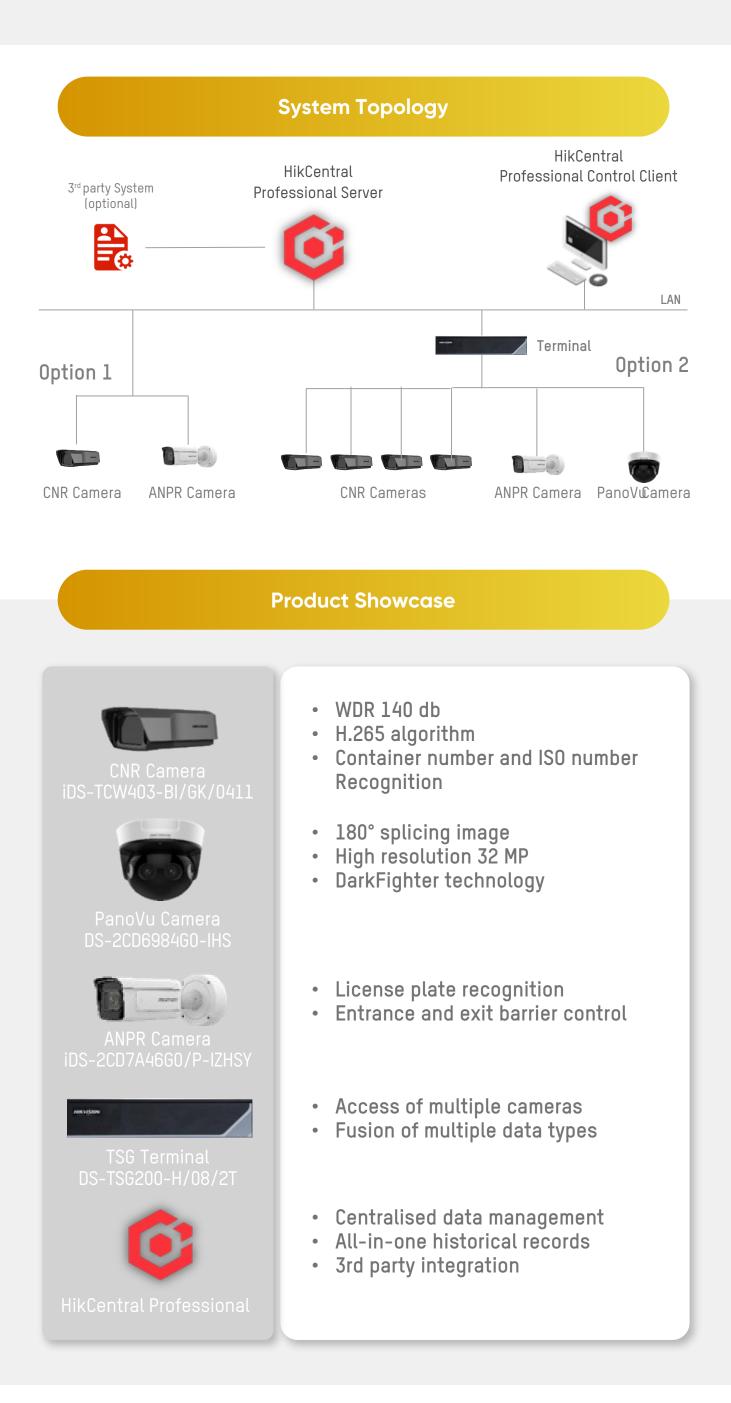
Captured by ANPR camera at the front of vehicle.

Container / Vehicle **Number Captures**

Captured by ANPR camera and CNR cameras which recognize the plate and container numbers.

Container Pictures

Captured by panoramic camera which can be used to confirm whether the appearance of the container is damaged.





Hikvision UK & Ireland presales.uk@hikvision.com

Search Hikvision UK

