

HIKVISION

First Choice for Security Professionals

2015

LPR V1.0



V1.0 Specification

Specifications

- Edge analysis
- Black List, White list
- License plate search & video linkage
- Statistics of vehicle enter and exit time
- At speed of 70 km/h
 - Capture rate 99%
 - Recognize rate $\geq 95\%$

System

Camera

- Darkfighter cameras
- Lightfighter cameras

Software

- iVMS5200P
- SDK for third party software

NVR

- Netra series



Array Bullet

DS-2CD4A25FWD-IZHS

Specifications

- 1080p@25fps with WDR on
- 1080p@50fps with WDR turn off
- Motorized VF lens with Smart Focus
- 140dB WDR, 3D DNR
- Up to 100m IR range
- Triple streams
- On-board storage, up to 64GB
- Full Smart Feature-set
- Built-in heater -40°C
- Audio/Alarm IO
- IP67 protection
- **2.8-12mm & 8-32mm**



Netra *SMART* NVR

DS-9600NI-ST(RT)

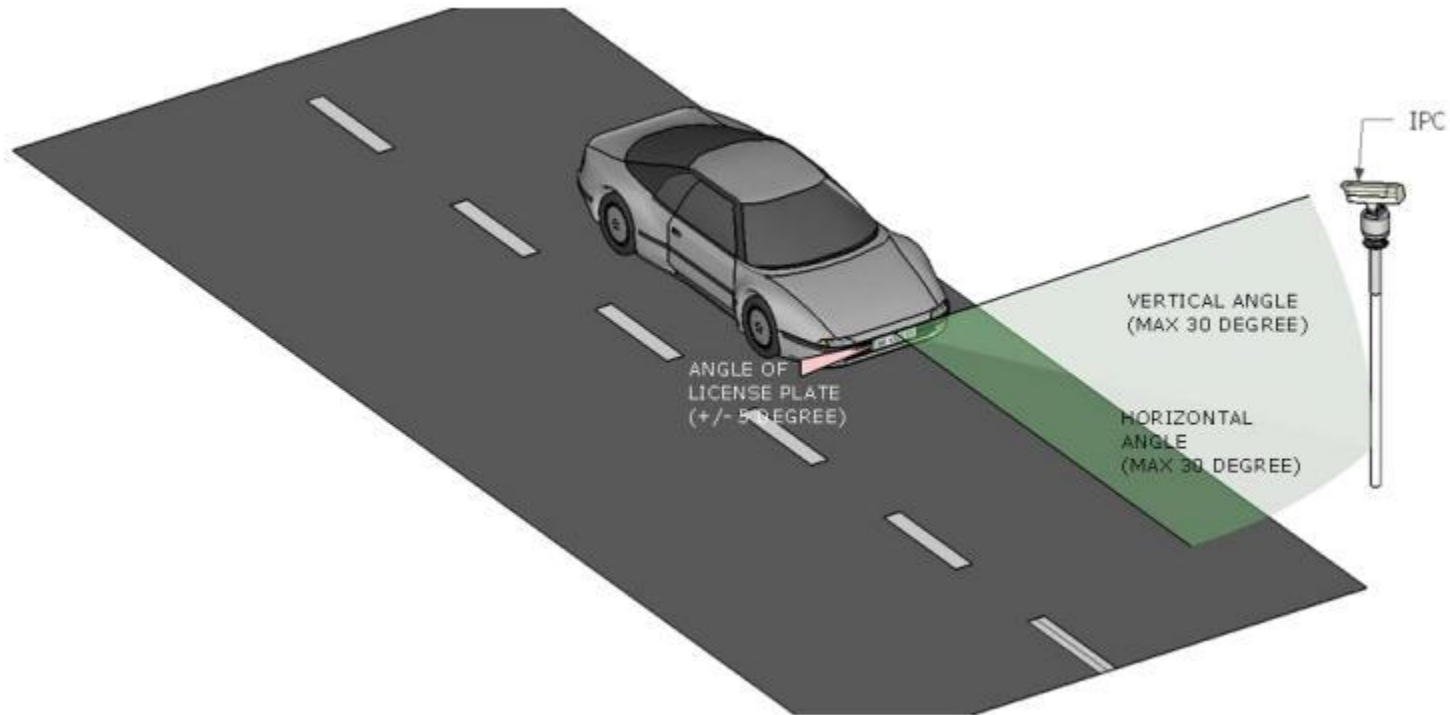
Specifications

- 8/16/32/64
- 50M/100M/200M/200M input bandwidth
- Third-party network cameras supported
- Up to 5 megapixels resolution recording
- HDMI and VGA output at up to 1920x1080P resolution
- Up to 8 SATA interfaces
- HDD removable from front panel
- -RT supports Raid
- Dual Gigabit Network interface
- 16 alarm input/4 alarm output



LPR camera installation

- 1) LP width should be not less than 130 pix on frame
- 2) Vertical angle should be less than 30 degree;
- 3) Horizontal angle should be less than 30 degree;
- 4) LP angle should be less than 5 degree in both side.



Night-time Performance

WDR on



Head Light Handle

Low AGC on



Head Light Handle

Low AGC on



Settings on Camera

Live View Playback Log **Configuration**

Local Configuration ^

- Local Configuration

Basic Configuration v

Advanced Configuration ^


- System
- Network
- Video/Audio
- Image
- Security
- Basic Event
- Smart Event
- Storage
- People Counting
- Road Traffic**

Detection Configuration Picture Camera

Detection Type: Vehicle Detection

Enable

Area Settings



ed 1 6:27
02-28-2015 Sat 15:34:20

Left Border Lane Line 1 Lane Line 2

Camera 01
Camera 01

Total Number of Lanes: 2

Region: Europe

Black/white list on NVR

HIKVISION Live View Playback Picture **Configuration**

Vehicle Detection Configuration Picture Camera

Channel No. IP Camera1

Enable Vehicle Detection

Type Other

Area Settings Arming

- Black List
- White List
- Other

02-28-2015 Sat 15:38:40

Left Border

Land Line

Camera 01

The screenshot displays the NVR configuration interface. The top navigation bar includes 'Live View', 'Playback', 'Picture', and 'Configuration'. The left sidebar lists various system settings: Local, System, Network, Video/Audio, Image, Event, Storage, Vehicle Detection (highlighted), and VCA. The main content area is titled 'Vehicle Detection Configuration' and shows settings for 'IP Camera1'. The 'Enable Vehicle Detection' checkbox is checked. The 'Type' dropdown menu is open, showing options: 'Other', 'Black List', 'White List', and 'Other'. Below the settings is a live video feed from 'Camera 01' showing a street scene with a building and a car. Two vertical yellow lines are drawn on the video feed, labeled 'Left Border' and 'Land Line'. The video feed also displays the date and time '02-28-2015 Sat 15:38:40' and the camera ID 'Camera 01'.

Black/white list on NVR

HIKVISION Live View Playback Picture **Configuration**

Vehicle Detection Configuration Picture Camera

Channel No.

Enable Vehicle Detection

Type


Area Settings > Arming Schedule > **Linkage Method**

<input type="checkbox"/> Normal Linkage	<input type="checkbox"/> Trigger Alarm Output	<input type="checkbox"/> Trigger Channel
<input type="checkbox"/> Audible Warning	<input type="checkbox"/> A->1	<input checked="" type="checkbox"/> D1
<input type="checkbox"/> Send Email	<input type="checkbox"/> A->2	<input type="checkbox"/> D2
<input type="checkbox"/> Notify Surveillance Center	<input type="checkbox"/> A->3	
<input type="checkbox"/> Full Screen Monitoring	<input type="checkbox"/> A->4	
	<input type="checkbox"/> D1->1	

Local
System
Network
Video/Audio
Image
Event
Storage
Vehicle Detection
VCA

Black/white list on NVR

 Vehicle Detection

 VCA

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Export

Black List/White List

Import Config. File

Black List/White List

Browse

Import

Status

Plate picture search

HIKVISION

Live View

Playback

Picture

Configuration

admin

Help

Logout

Download by File

Search Conditions	File List							Download	Stop Downloading
	No.	File Name	Start Time	End Time	File Size	Progress	Live View		
Channel No. IP Camera2	1	ch0002_000000001370000000512002_86LS...	2015-02-13 16:12:04	2015-02-13 16:12:04	273 KB		Live View		
File Type Vehicle Detection	2	ch0002_000000001370000280576003_86LS...	2015-02-13 16:14:00	2015-02-13 16:14:00	333 KB		Live View		
Country All	3	ch0002_000000001370002635264003_86LS...	2015-02-13 16:14:35	2015-02-13 16:14:35	334 KB		Live View		
Plate No. 86	4	ch0002_000000001370004691456002_86LS...	2015-02-13 16:14:51	2015-02-13 16:14:51	272 KB		Live View		
Start Time 2015-02-10 00:00:00	5	ch0002_000000001370005630464003_86LS...	2015-02-13 16:15:11	2015-02-13 16:15:11	324 KB		Live View		
End Time 2015-02-28 23:59:59	6	ch0002_000000001370005963264003_86LS...	2015-02-13 16:15:14	2015-02-13 16:15:14	323 KB		Live View		
	7	ch0002_000000001370006621184003_86LS...	2015-02-13 16:15:23	2015-02-13 16:15:23	324 KB		Live View		
	8	ch0002_000000001370007947776003_86LS...	2015-02-13 16:15:47	2015-02-13 16:15:47	323 KB		Live View		
	9	ch0002_000000001370009571840003_86LS...	2015-02-13 16:16:15	2015-02-13 16:16:15	308 KB		Live View		
	10	ch0002_000000001370012096512003_86LS...	2015-02-13 16:16:49	2015-02-13 16:16:49	307 KB		Live View		
	11	ch0002_000000001370014310400003_86LS...	2015-02-13 16:17:26	2015-02-13 16:17:26	308 KB		Live View		
	12	ch0002_000000001370014944256003_86LS...	2015-02-13 16:17:32	2015-02-13 16:17:32	307 KB		Live View		
	13	ch0002_000000001370017466880003_86LS...	2015-02-13 16:18:12	2015-02-13 16:18:12	307 KB		Live View		
	14	ch0002_000000001370018097152003_86LS...	2015-02-13 16:18:19	2015-02-13 16:18:19	307 KB		Live View		

ANPR setting

Camera Management

VCA

Enable Face Recognition Save

Camera [D3] IPCamera 01 Save VCA Picture

Face Detection	Vehicle Detection	Line Crossing Dete...	Intrusion Detection	Region Entrance D...	Region Exiting Det...	Loitering Detection	People Gathering De...
Fast Moving Detec...	Parking Detection	Unattended Bagga...	Object Removal D...	Audio Exception D...	Defocus Detection	Sudden Scene Ch...	PIR Alarm

Enable

Settings Black List White List Other

Rule 1 Rule Settings



- Draw Line
- Draw Qua...
- Clear All

The Plate Of Black&White List

Import/Export

No.	Plate No.	Classification

- Camera
- OSD
- Image
- PTZ
- Motion
- Privacy Mask
- Video Tampering
- Video Loss
- VCA
- Live View

Apply

Back

Plate number search

VCA Search

Behavior Search

- Face Search
- Plate Search**
- People Counting
- Heat Map

Plate Search

<input checked="" type="checkbox"/> IP Camera	<input checked="" type="checkbox"/> D1	<input checked="" type="checkbox"/> D2	<input checked="" type="checkbox"/> D3	<input checked="" type="checkbox"/> D4	<input checked="" type="checkbox"/> D5	<input checked="" type="checkbox"/> D6	<input checked="" type="checkbox"/> D7	<input checked="" type="checkbox"/> D8
	<input checked="" type="checkbox"/> D9	<input checked="" type="checkbox"/> D10	<input checked="" type="checkbox"/> D11	<input checked="" type="checkbox"/> D12	<input checked="" type="checkbox"/> D13	<input checked="" type="checkbox"/> D14	<input checked="" type="checkbox"/> D15	<input checked="" type="checkbox"/> D16
	<input checked="" type="checkbox"/> D17	<input checked="" type="checkbox"/> D18	<input checked="" type="checkbox"/> D19	<input checked="" type="checkbox"/> D20	<input checked="" type="checkbox"/> D21	<input checked="" type="checkbox"/> D22	<input checked="" type="checkbox"/> D23	<input checked="" type="checkbox"/> D24
	<input checked="" type="checkbox"/> D25	<input checked="" type="checkbox"/> D26	<input checked="" type="checkbox"/> D27	<input checked="" type="checkbox"/> D28	<input checked="" type="checkbox"/> D29	<input checked="" type="checkbox"/> D30	<input checked="" type="checkbox"/> D31	<input checked="" type="checkbox"/> D32
	<input checked="" type="checkbox"/> D33	<input checked="" type="checkbox"/> D34	<input checked="" type="checkbox"/> D35	<input checked="" type="checkbox"/> D36	<input checked="" type="checkbox"/> D37	<input checked="" type="checkbox"/> D38	<input checked="" type="checkbox"/> D39	<input checked="" type="checkbox"/> D40
	<input checked="" type="checkbox"/> D41	<input checked="" type="checkbox"/> D42	<input checked="" type="checkbox"/> D43	<input checked="" type="checkbox"/> D44	<input checked="" type="checkbox"/> D45	<input checked="" type="checkbox"/> D46	<input checked="" type="checkbox"/> D47	<input checked="" type="checkbox"/> D48
	<input checked="" type="checkbox"/> D49	<input checked="" type="checkbox"/> D50	<input checked="" type="checkbox"/> D51	<input checked="" type="checkbox"/> D52	<input checked="" type="checkbox"/> D53	<input checked="" type="checkbox"/> D54	<input checked="" type="checkbox"/> D55	<input checked="" type="checkbox"/> D56
	<input checked="" type="checkbox"/> D57	<input checked="" type="checkbox"/> D58	<input checked="" type="checkbox"/> D59	<input checked="" type="checkbox"/> D60	<input checked="" type="checkbox"/> D61	<input checked="" type="checkbox"/> D62	<input checked="" type="checkbox"/> D63	<input checked="" type="checkbox"/> D64

Start Time: 02-28-2015 00:00:00

End Time: 02-28-2015 23:59:59

National: All

Plate No.

Live View

Search Back

Picture/footage/Statistical Info

Plate Search

[Chart](#) [List](#)

All



Total: 1668 P: 23/84



Camera No.: 1 Device No.: Camera 61 Capture Time: 2015-02-05 04:57:38



Plate No. **4VTG19**

Filter

Country: Netherlands

Picture Record Statistical Information

Export All

Export

Back

LPR Library

17th Feb 2015

Eastern Europe

- Czech Republic
- Slovakia
- Poland

North West Europe

- The Netherlands
- Germany

South Europe

- France
- Italy
- Spain

LPR Library 2nd Phase

30st April 2015

Israel

UK

Eastern Europe

- Hungary
- Bulgaria
- Romania
- Serbia
- Greece
- Croatia

North West Europe

- Belgium
- Luxembourg
- Denmark
- Finland
- Norway

South Europe

- Portugal



THANK YOU!