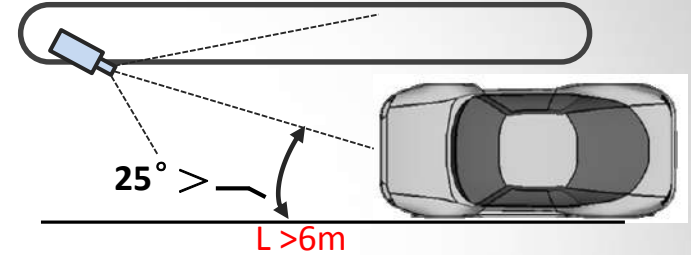
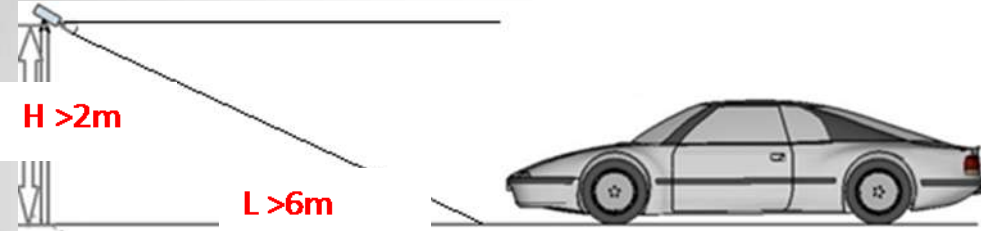


Bulletin for ANPR Camera V1.1

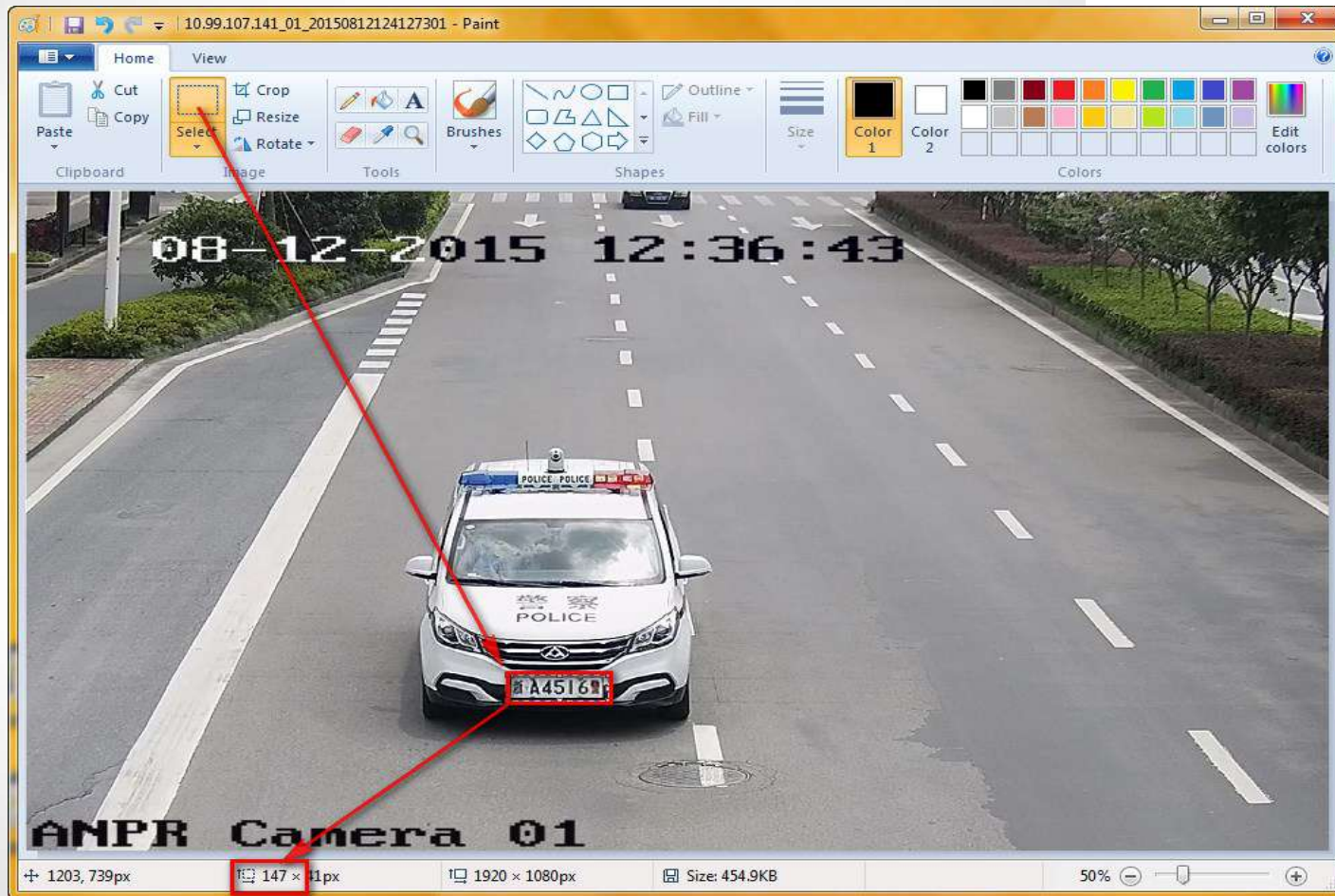
-Hikvision Oceania

- Installation Conditions
- Camera Configuration

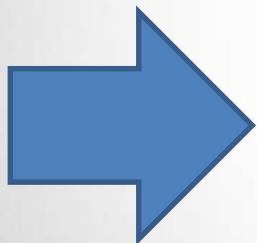
Installation Conditions



- Mounting height of ANPR camera should be between **2-6 meters** .
- Distance between ANPR camera and detection area should be between 7-30 meters. Different detection distance requires different lens.
 - 8-32mm: 7-26 meters**
 - 11-40mm: 10-32 meters**
- Number plate need to be horizontal in the detection area.
- Camera should focus on number plate.
- Horizontal pixels of the plate number in image should be between **100-200 pixels**.
- **SD card** is recommended to ensure on-board number plate information storage.

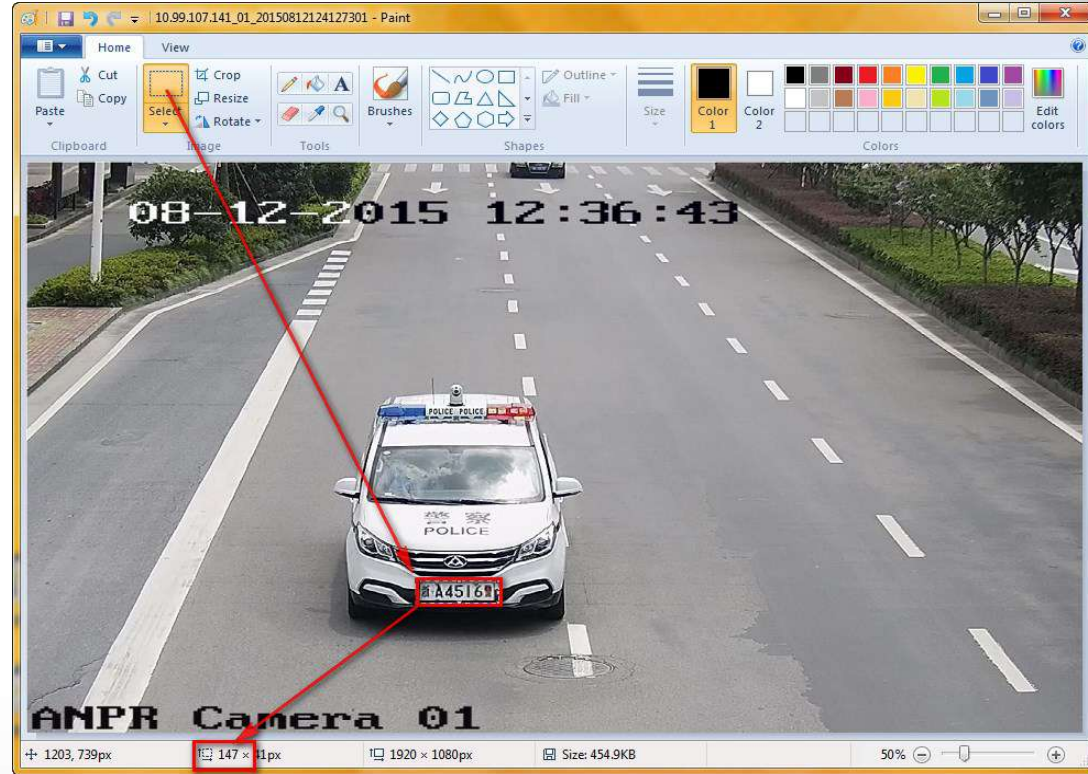


Qualified sample



Camera Configuration

- Zoom the camera in to a suitable focal range
- Capture a picture in the local web, and use PC tool 'Paint' to open the image
- Click 'Select' button and draw a square in the number plate, resolution of number plate will be shown automatically. **Make sure the horizontal resolution is between 100-200**
- Repeat above steps until the image meet the requirements

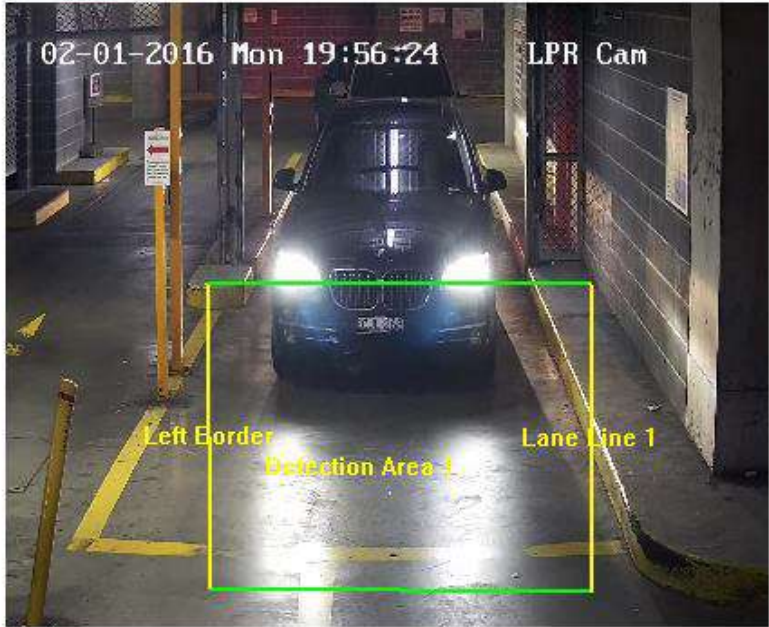


Camera Configuration

- Go to local web of the camera, **enable** 'vehicle detection' function
- Draw a detection area in the image , like the image on the right
- If the pixel of the plate is larger than 130, set "big" for the plate mode . Otherwise set the "small" for the plate mode.

Area Settings
Arming Schedule
Linkage Method

02-01-2016 Mon 19:56:24
LPR Cam



Total Number of Lanes

Plate Mode

1

Small

Camera Configuration

1/25s



1/50s ~ 1/100s



1/100s ~ 1/150s



1/150s ~ 1/500s:



Vehicle speed(kmph)	Exposure time(s)
5	1/100
40	1/500
100	1/1000
200	1/2000

Lower the exposure time to **1/150s ~ 1/2000s** according to vehicle speed.

^ Exposure Settings

Iris Mode

Manual

Exposure Time

1/25

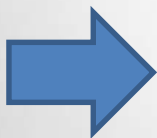
Gain

100

Camera Configuration

- Change the day/night switch to 'scheduled-switch', set the start time and end time for the day time and night time
- Exposure Settings, lower the 'gain' to 20-50, high gain may cause over exposure issue at night.
- For 40xx ANPR camera, go to the external device to set the schedule for the LED light

Qualified sample



The screenshot shows the Hikvision camera configuration interface. Three blue arrows point from the text in the first list item to the 'Day/Night Switch' dropdown menu, from the second list item to the 'Gain' slider, and from the third list item to the 'External Device' tab and 'LED Light' settings.

Day/Night Switch Settings:
Day/Night Switch: Scheduled-Switch
Start Time: 04:30:00
End Time: 19:00:00

Exposure Settings:
Iris Mode: Manual
Exposure Time: 1/25
Gain: 100

External Device Settings:
LED Light
 Enable Supplement Light
Low Beam Brightness: 1
High Beam Brightness: 1
LED Light On: Timing Auto
Start Time: 16:00:00
End Time: 18:00:00

- **Keep WDR, BLC and smart IR off.**
- Set the 'gain', 'exposure time' and 'day/night switch time' repeatedly to get a qualified image