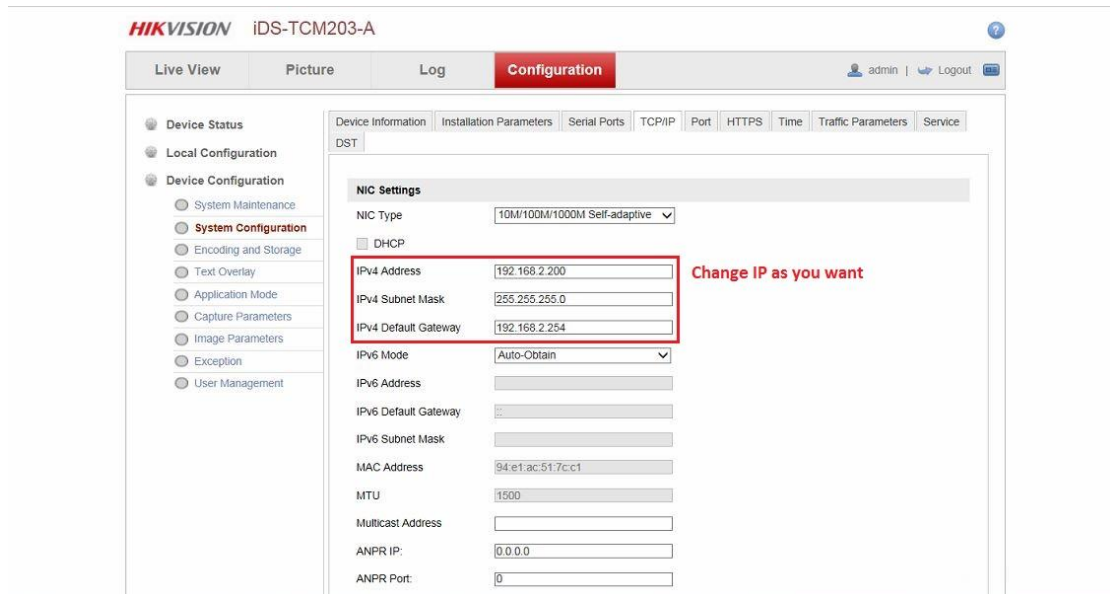


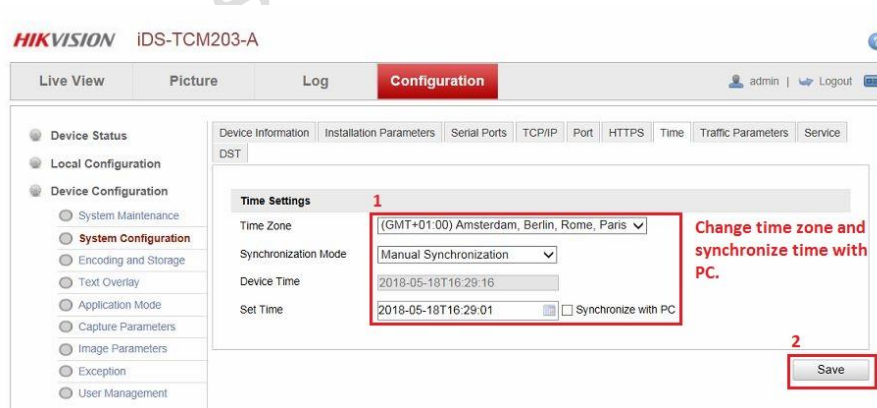
TCM203-A/0832 Debugging Manual

TCM203-A has two different kinds of types, including 0832 and 5313. Here we will introduce TCM203-A/0832 debugging steps. Device activation and firmware upgrade are not included below.

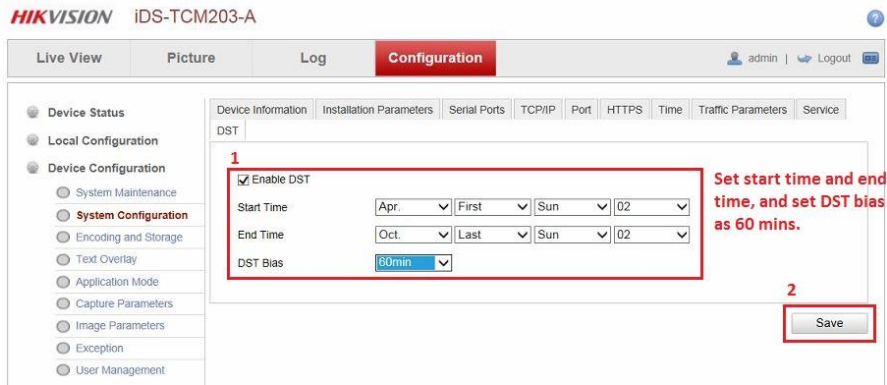
1. System Configuration>TCP/IP: change device IP as you want.



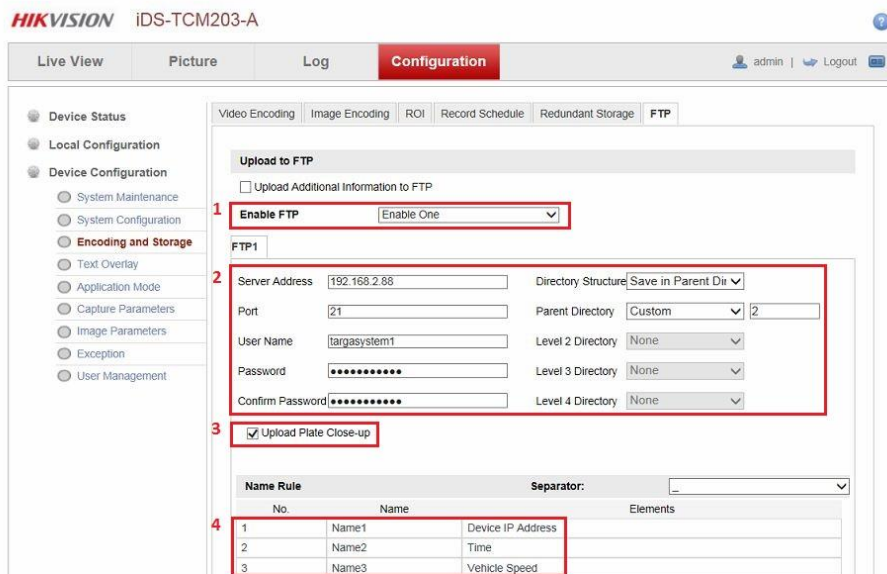
2. System Configuration>Time: Select the right time zone and synchronize device time with PC.



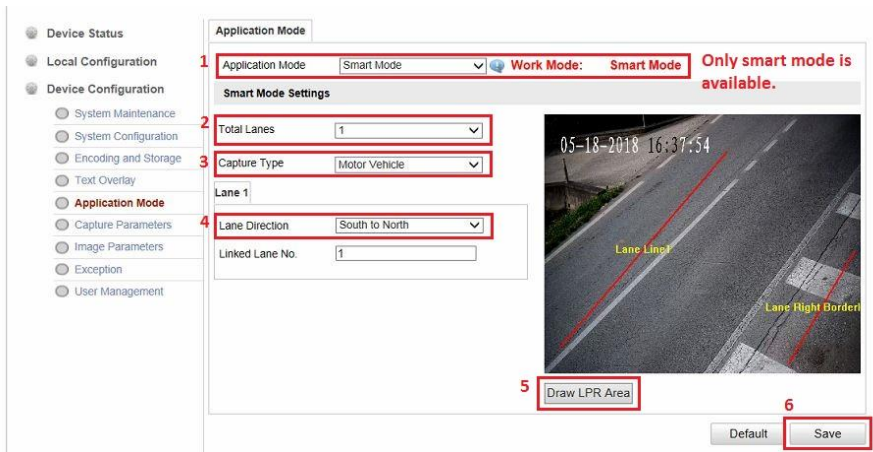
3. System Configuration>DST: If this country has daylight summer time, then need to enable DST function, set start time and end time, and set DST bias which is usually 60 mins.



- Encoding and Storage>FTP: enable FTP if you need; set third party platform IP address, select directory structure as save in parent directory, set port and parent directory as custom, set user name and password; Select upload plate close-up if you want; Set the name rule by choosing the information you want to show.



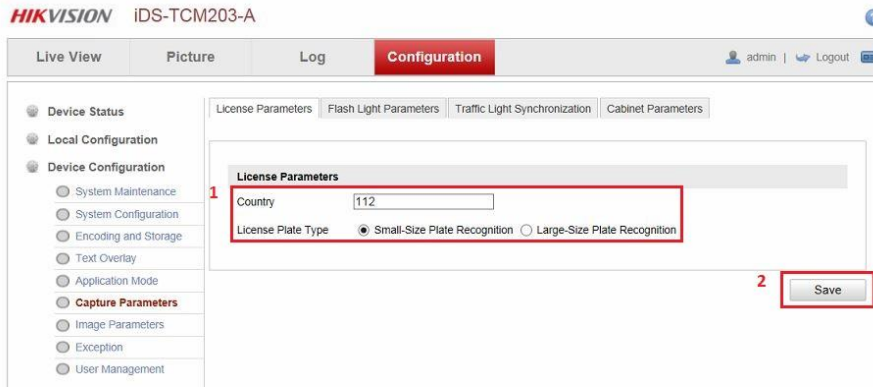
- Application mode: only smart mode is available; select lane number; choose capture type as motor vehicle if you want to capture only motor vehicle, while choose all if you want to capture motorbikes at the same time; select lane direction; draw LPR area and finally click save.



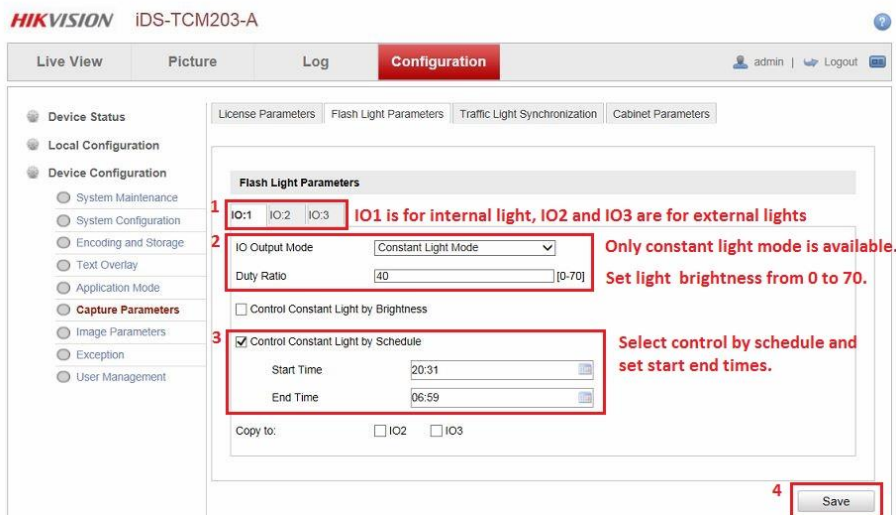
- Draw lane line 1 and lane right borderline to make sure all the vehicle plate numbers are totally included in this area, because algorithm will not recognize the part exceeding the detection area.



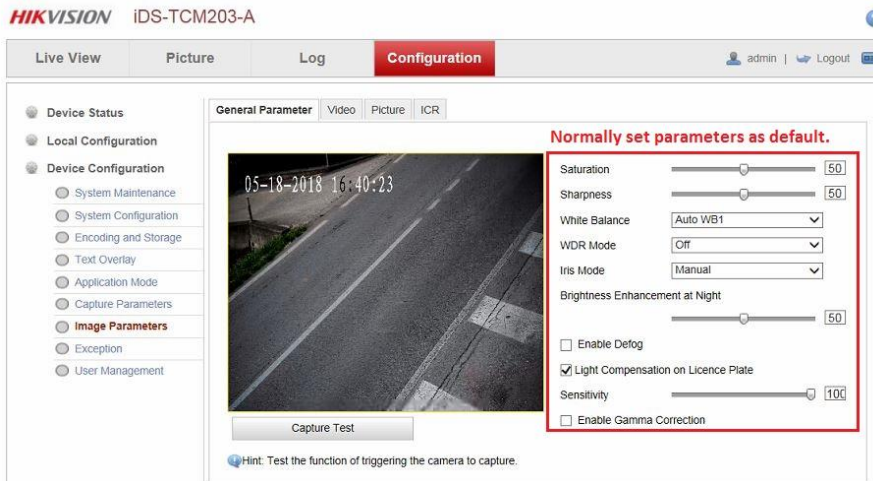
- Capture Parameters>License Parameters: fill in country code and select license plate type as small-size.



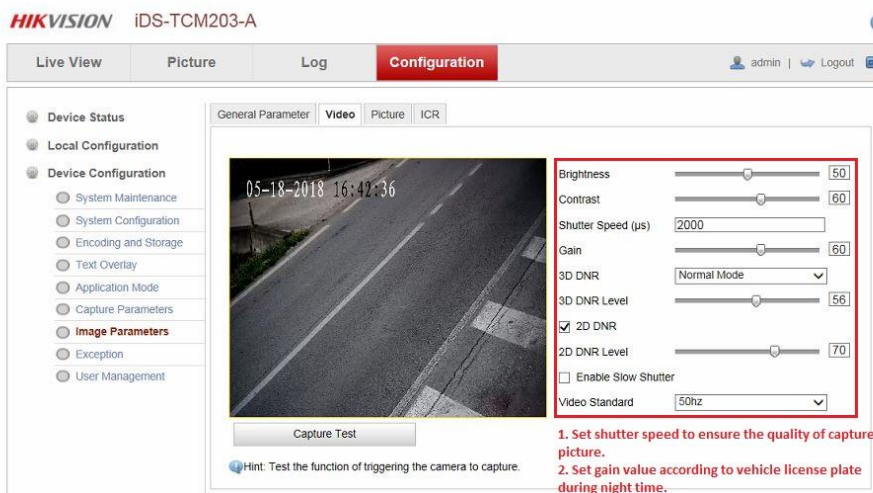
- Capture Parameters>Flash Light Parameters: IO1 is for internal light, while IO2 and IO3 are for external supplement light; only constant light mode is available; Set duty ratio from 0 to 70 according to real light brightness requirement; Choose control constant light by schedule and select start time and end time.



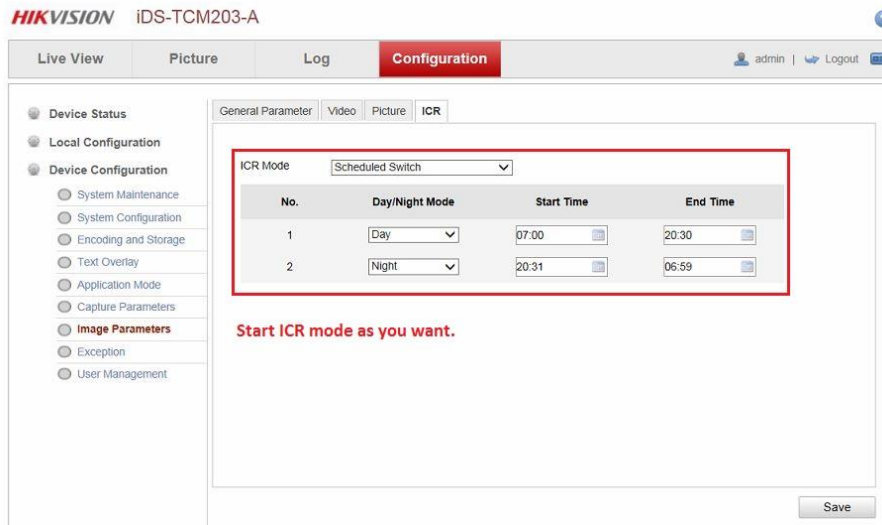
- Image Parameters>General Parameter: normally set all the parameters as default. You can change the sensitivity value of light compensation on license plate if the license plate is not bright enough.



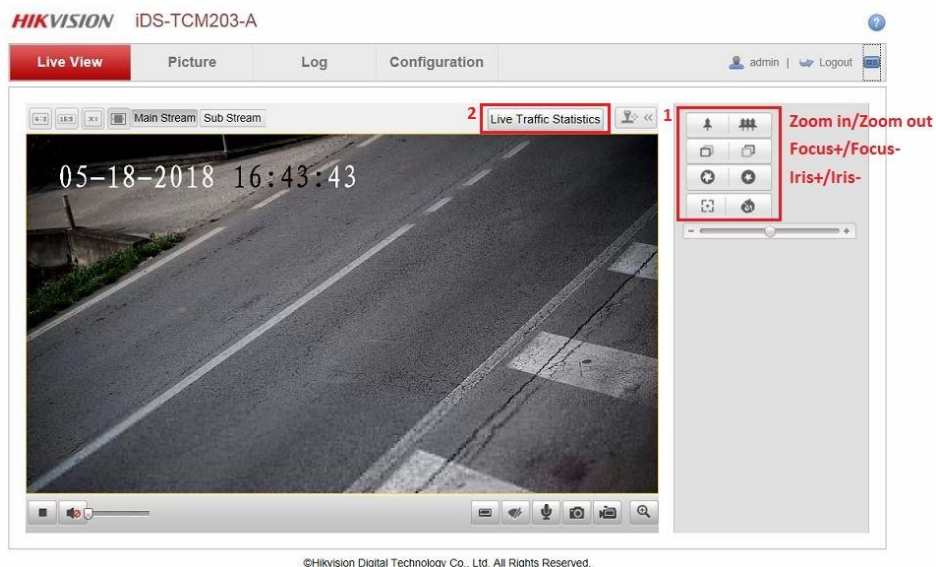
10. Image Parameters>Video: the default shutter speed value is 4000, and you can change it if there is image ghosting. The smaller the value is, the better result we get to solve image ghosting, which will reduce the image brightness. Set gain value according to vehicle license plate brightness during night time. Finally you need to set video standard as 50HZ or 60HZ according to the real situation in the project location country.



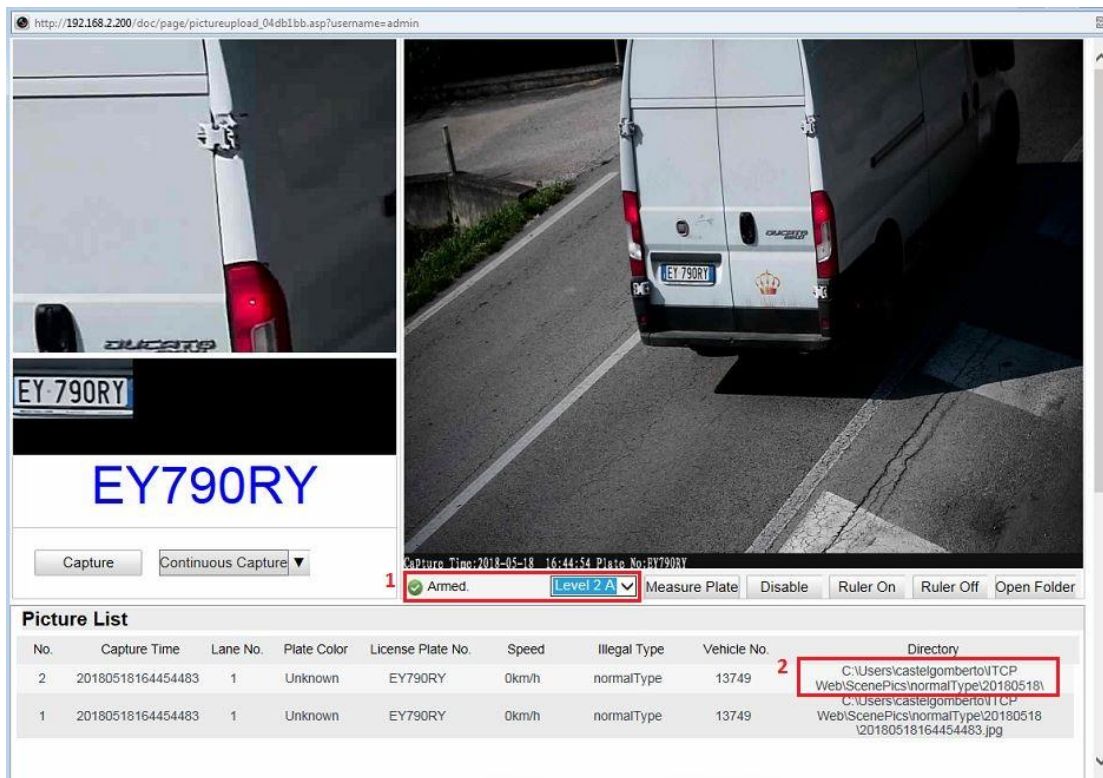
11. Image Parameters>ICR: start ICR mode if the internal light type is IR. It is recommended to select scheduled switch if you start ICR mode.



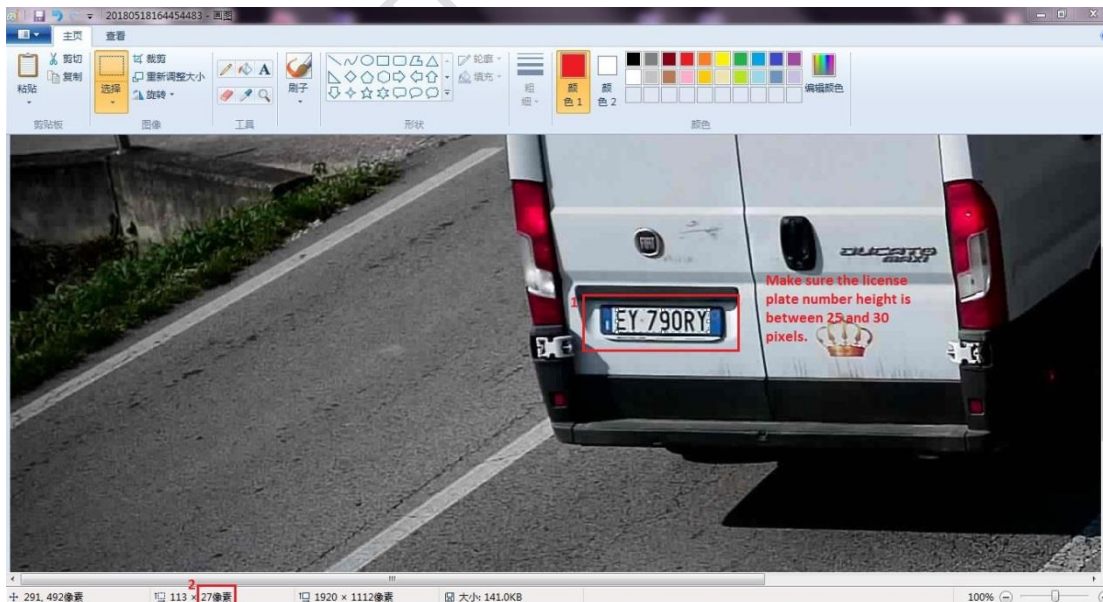
12. Finally, go to live view to finish lens adjustment, including zoom in or zoom out, focus and iris adjustment. After that, click live traffic statistics to check captured pictures.



13. After you click live traffic statistics in step 12, it will pop up the interface as below. First, you need to choose level 2 armed to arm camera. Second, you can find all the results in capture list and there is the directory at the right side where the captured pictures are stored.



14. Go to the directory in step 13 to find the captured pictures. Use windows paint tool to open one picture and check the license plate number height as below. If the number height is not between 25 and 30, then you need to repeat step12 to step 14.



If you have any question, you can contact **Overseas Traffic Project Team**. We are looking forward to your reply.