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CONFIGURATION
TUTORIALS

World EYECAM

LICENSE PLATE SETUP

IMAGE SETTINGS

This tutorial will assume that the camera has already been set up on the local network and is streaming video live to a recording device.

1. Log into the camera using an Internet Explorer browser by typing the cameras local IP address into the URL bar. If the camera is plugged into the back of a NVR log into the recorders local IP address, then navigate to the Setup > Camera > Camera menu and click on the "Access" button off to the right hand side of the camera listing. This will load the cameras web login directly.
2. Once in the camera navigate to Setup at the top of the screen and then navigate to the Image menu on the left hand side.
3. Drop down the Scenes options and change scene number one to "Road Headlight Compensation".
4. Next drop down the Exposure setting options. Change the Shutter(s) option to 1/100000 by 1/500.
5. In some situations and lighting situations the Day/Night Mode may need to be set to always keep the camera in Night mode. This can help a lot when cameras are facing east and west to deal with a rising and setting sun.
6. Drop down the Smart Illumination options and change the control mode to Manual. Then set the Near-illumination level to 600 and the Far-illumination level to 800. This setting will help the camera adjust or cars that are closer and further from the camera.

Notes: Settings will very per job, not every job and camera on a job site will use the same settings most likely. The tutorial is the best optimal settings for a 100% dark area where the only lighting is coming from head lights and tail lights from one or two cars.

TROUBLESHOOTING

When capturing a plate during the day most cameras will be able to see any plate from just the quality of image that the camera is producing. At night time is when cameras have a hard time capturing the plates from a vehicle. The camera at night has to adjust to dim scene lighting, headlights and taillights, and the reflectiveness of the plates. In order to do this the camera needs to have a very fast shutter speed, it will open and close the shutter with in a fraction of a second letting in very little light to be processed. Since plates are very reflective the numbers and letters will pop out while effectively dimming all other car, and scene lights.

• If a camera still has a plate is that is whited out and is still too bright.

   a. Lower the compensation. Default is zero and can be lowered to -100.
   b. Raise the second shutter speed. In the tutorial it was set to 1/500 change this setting to 1/2000
   c. Set the Smart Illumination control mode to Road.
   d. Change the gain settings, default is 0-100. Lower 100 by tens until the image is better.

• If the camera will not see plates because they are blurry.

    a. Go to the Video settings and set the cameras Bit rate (Kbp/s) to 6144.
    b. Get a more direct angel to the plate if possible the cars are most likely moving too fast for the camera to capture in the small amount of time that the car comes within view leaving the camera will too little frames to get a clean and clear image.
    c. Lower the camera to get a straighter on shot of the plate.

For more troubleshooting of the camera please call technical support. The best times to troubleshoot a LPC is when it is dark outside. If off hours support is needed for troubleshooting of a LPC to get the image corrected please speak with a sales rep. to get a time scheduled with a tech.

Things to have ready for afterhours support:

• On the job site with the camera while it is dark outside.

• A computer running windows on the same network as the camera/NVR (If NVR is built in PoE)

• A Vehicle that can be placed in front of the camera with the lights on.

• The ability to adjust the install angel of the camera

• Teamviewer