

## Merit LILIN Application Note

### Fault Tolerance for LPR

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If you would like to generate accurate number plate digits with less digit outputs, please enable "Fault tolerance" feature. Please also enable the LPR setting at Setting tab.

Fault tolerance (digits) = 2  
 # of same plate detection  $\geq 3$   
 Same plate detection dwell (Sec)  $\geq 2$

For the example above, the LPR camera will count the occurrences of same license plates with in 2 seconds for three times with the fault tolerance (Fault tolerance) two digits.

Time	License plate
0.1 sec.	ABC1234
0.2 sec.	ABC12
0.3 sec.	BC123
0.4 sec.	ABC1234
0.5 sec.	ABC1234

Event the dwell time is set 2 sec., the LPR camera will output "ABC1234" if the same license plate occurrences reach three times. This is good for the parking gate application for opening the gate as quick as possible.

 LPR
  LPR LIST
  ALARM
  OUTPUT
  EST. SPEED
  SETTING
  ABOUT

### LPR Settings

☒ Enable LPR
 ☐ Show zone

Confidence (%) >
 

2

Min/Max characters
 

410


☒ Crop plate
 ☐ Zone #1 cropping


Fault tolerance (digits) 


3

☐ LPR upon camera DI/VI triggered (Sec)  $\geq$ 

10

 If the JPEG encoder of the zone detection is greater than 720P, the snapshots will not get shown.

 Fault tolerance: Levenshtein distance



Apply

## Allowed List & Fault tolerance

If the Fault tolerance feature is enabled, the allowed list is set. If there is a wrong license plate, HTTP post and metadata get substituted with the license plate in the allowed list.

For example, a license plate WSE1111 is set in the allowed list. At runtime, the license plate AI camera detects the license plate as "WSE11", HTTP post and the metadata will be substituted with the allowed record, "WSE1111" for accurate license plate.

License Plate	User	Start Time	End Time
WSE1111	Name	0:0	23:59
WKQ6510	Name	0:0	23:59
WA1101	Name	0:0	23:59

## HTTP & Log System

To verify the license plate via HTTP Post, click on "Log" button to see the post result.

## Contact

Contact <http://lilin.zendesk.com> for technical support.

For more information, visit [www.meritilin.com](http://www.meritilin.com).