



Adding a LILIN AI camera to Navigator Adding a LILIN AI camera to Navigator for Prohibited Zone Detection

To add an AI camera to a the LILIN Navigator software to detect and log AI events in Prohibited Zones, follow the steps below.

AI Camera

Log in to your AI camera and select the AI module icon. This will ask you to login to the camera's AI module. Enter the camera's administrator username and password.

Select 'Alarm' from the top bar.

This screen is where you will configure the desired AI behaviour and AI classifications that will trigger an event to an NVR.

In the example below the camera is set to log when a person enters the designated zone.



You can set up to 4 different AI zones with different behaviours and classifications.



Next select 'Settings' from the top menu bar.

Within this menu, ensure you have the following ticked:

Same ID Object in same location trigger only once

NVR/DVR/NAV/WS triggering only once CIF

	? ABOUT
General	Language English Synchronize camera settings Sme Port # 859 Same (D Object in same location trigger only once OF 2 NR/DVR/NAV/WS triggering only once CIF 2 Enable metadata base64 JPEG (snapshot, FTP, email) 3 Metadata encoder # 3 Notification dwell (secs) 60 Please set encoder [Output Frame Rate] to 15 or less and set [Image Quality] to 20 or less. (1) If the upload speed is low and [enable metadata base64] is enabled, please lower the JPEG resolution.

For a basic configuration, these should be the only options to change on this menu.



Navigator Software

This guide assumes that the camera has already been correctly added to the Navigator software.

Right click on the channel of the camera you wish to detect AI events from. Select Properties.



From the camera properties window select 'Alarm Management'.

Display/Record			Preview	
Activate this devic				
Name	#001 P6R8882E2			
Channel Location				
Device Type	LILIN IP Camera 🗸 🗸	Detect		
Channel	Cam 001 🛛 🗸 🗸	Setting		
	Auto import NVR	Import		
Streaming Mode	Dual Streaming Mode for the	Channel 🗸		
Record Mode	Record the main stream	1 FPS 🗸 🗸		
Network				
IP/DNS	10.0.0.149			
HTTP Port (ex. 80)	80	×	Find Device	Video
Onvif Port (Optional)	80		Assian the Recording Di	sk
HTTPS Port (ex. 443) 443			
Video Port	554		Auto switch the audio	Alarm Management
Username	admin		ONVIF	ePOS/OSD
Password	•••••	0	Device Type: IP Cam	ANPR Group Setting
Camera/485 ID	1	~	Alarm Input (DI): 1	
			Relay Output (DO): 1	Object Counting
Synchronize Time	with PC	Apply		Facial Recognition
Low bit rate client	and server connection).05 FPS 🛛 🗸		Advance:Privacy Mask/OSD
				Advance. Privacy mask OSE



Under the Alarm Management window, ensure Aida Behaviour Detection is ticked and click 'Options'.

ondition#1 Condition#2 Condi	tion#3 Condition#4 Oth	ers	
larm Input Management	Alarm Output (DO)		Alarm Notification Schedule
External ID Device Motion Detection NAV CGI Triggering Video Loss Detection ANPR Detection Remote LPR Detection BBCode detection Alda Behavior Detection	Play Sound Send E-mail PT2 Preast Recall Signal Digital Output Alarm Full Screen Post-alarm Record Pre-alarm Record Advanced Alarm D0 Alarm ACK <	*	00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 2 2 2 3
Options	Options		O Enable Apply All Schedule
Enable Alarm Input (DI)	Pre-alarm Dwell (Sec) 1	~	Close
AND Logic Alarm Notification	Alarm Output Dwell (Sec) 5	~	
etection Dwell (Sec) 1 ~	The Next Alarm Output Dwell Dis (Min)	able 🗸	

A further popup window will appear.

Click Aida Server / IP Cam.



Within the new popup window, select 'Auto Detect Aida IP Camera'.

This will automatically detect the IP address and port being used by the camera associated with this channel.

Enable Aida de	ection service	
Enable wat	tch dog service	
O Send images to	o the Aida server for detections	
Get detections	from Aida server / camera directly	
_		
Capture co	omplete image	
⊡ Capture co Server IP	10.0.0.149	
⊡ Capture co Server IP Web Port	00000000000000000000000000000000000000	
⊡ Capture co Server IP Web Port Linked Channel	10.0.0.149 8592 1	

Now click OK, you will be taken back to the Aida behaviour detection screen.

Here is where you select which behaviours the software will receive AI alarms for.

It is recommended to select all Aida Types and all Aida Behaviours.

Even though you have selected all the detection options the camera will only detect classifications and behaviours selected within the AI camera plugin.

AI Engine	AI Alarm	Aida Bebaviers	
Recognition 20 V	V Alda Type		
speed 1x ~	All	Prohibit zone	1
Confidence >= 70		Parking space counting	
		Zone with dwell / parking violation	
Display detection zones of Aida		Tripwire / Traffic flow	
Display detected object bonding boxes		✓ Left-turn detection	
Display tracking ID		Right-turn detection	
Enable Aida type		Virong way detection	
Filter out the objects without behavior		Right-turn violation	
Filter out the objects without speed		U-turn violation	
Ainimum Object Pixels 30		Run the red light violation	
SD Position		Left-turn violation on red light	
		Right-turn violation on red light	
		Over speed detection	
		Lower speed detection	
		No give way detection	
		Mask wearing detection	
		Mo Mask wearing detection	
		<	>
	Object + behavior ar	nd trigger alarm	



Click OK on all open windows, back to the Live Display.

Your Navigator system should now be logging AI events from the camera.



If required, it is possible to have the AI detection zone of the camera showing on the live camera image. This can be adjusted from the Aida Behaviour Detection window.