

LILIN V1W Alarm Light Guide

Warm Light Series

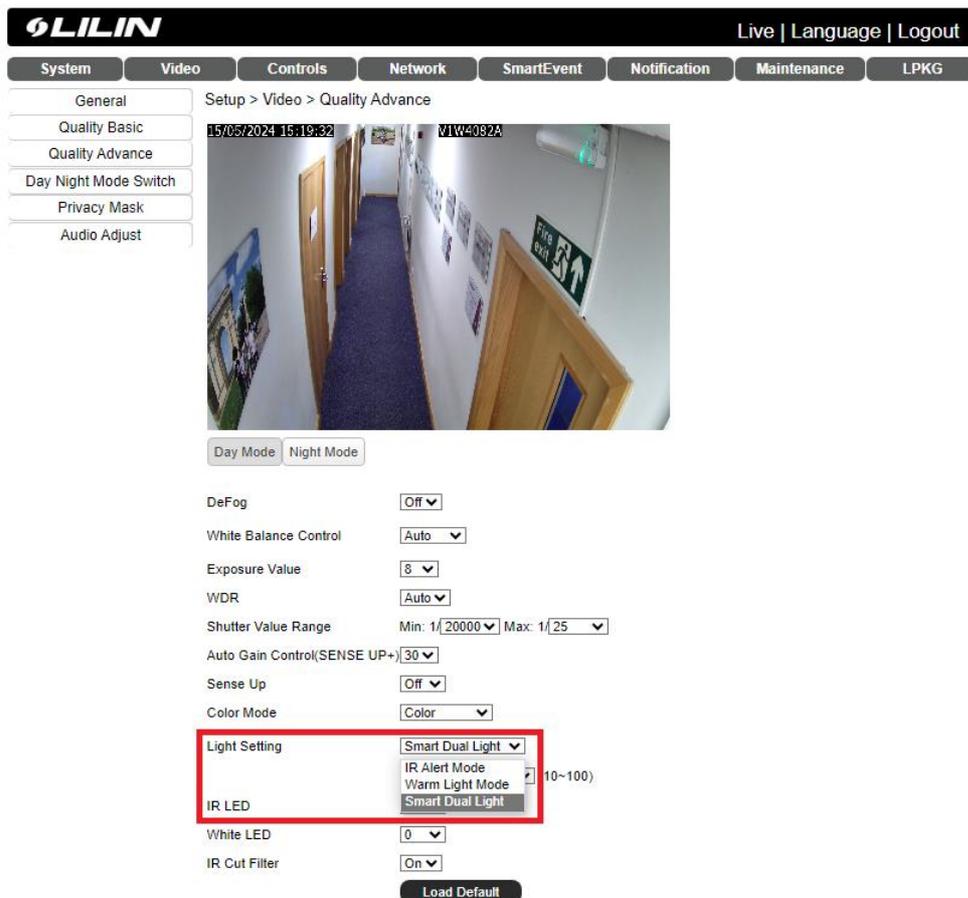
The V1W AI Warm Light Series cameras offer 3 default light settings that are activated by an AI alarm event whilst the camera is in night mode.

- **Smart Dual Light**
- **IR Alert Mode**
- **Warm Light Mode**

The light modes can be selected by clicking on the relevant icon on the camera home page.



Or in the setup menu Video/Quality Advance/Light Settings then select from the dropdown menu.



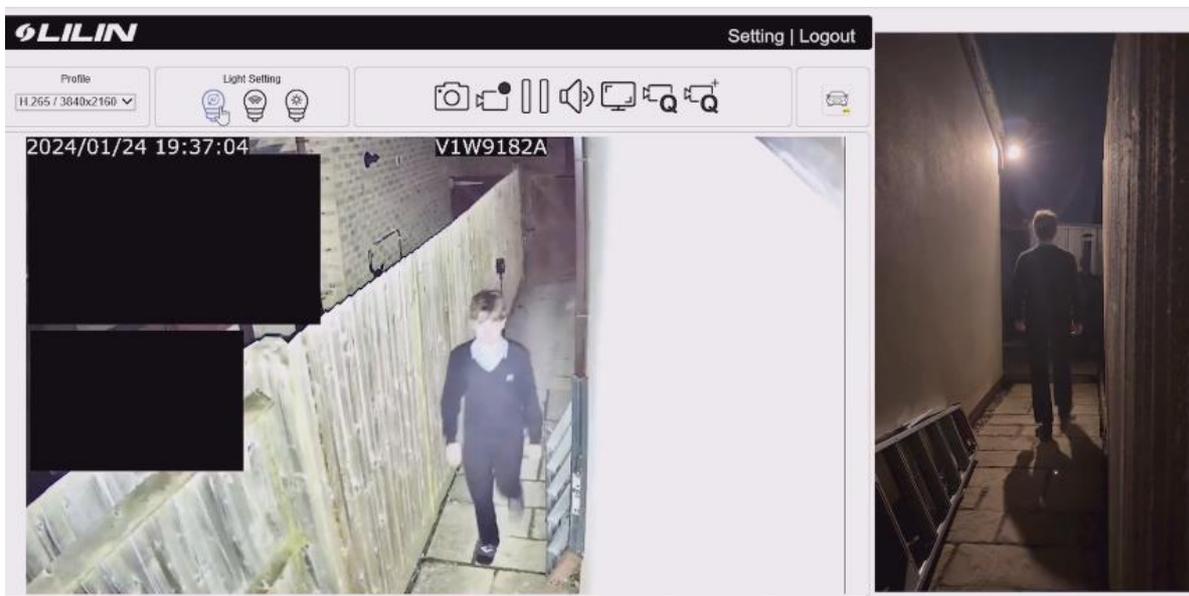
Note: If you choose light setting in the Quality Advance menu then click on an icon for light mode on the home screen then the mode will be overridden with your last command

Smart Dual Light

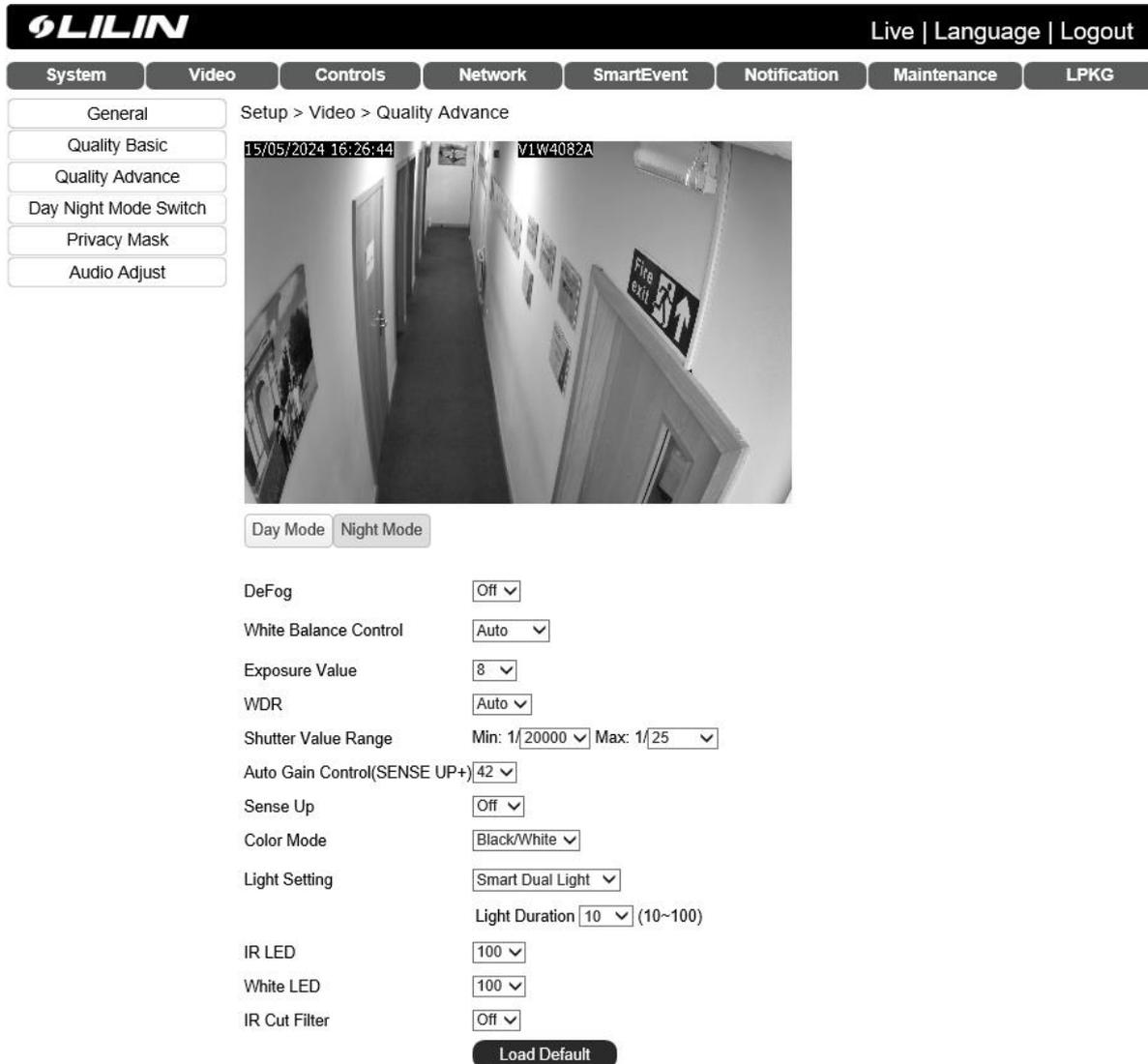
In this mode the camera will turn to mono in night mode and the IR LED will come on.



Once the AI engine is triggered by a classified object entering the alarm zone the Warm light LED will come on for a predetermined amount of time (more on this later in the guide). After the event the camera will revert to Mono with the IR LEDs on.



The default Smart Dual Light Settings can be modified under Menu/Video/Quality Advance



The screenshot shows the LILIN web interface for camera settings. The breadcrumb trail is 'Setup > Video > Quality Advance'. The video feed shows a hallway with a 'FIRE EXIT' sign. The settings are as follows:

- DeFog: Off
- White Balance Control: Auto
- Exposure Value: 8
- WDR: Auto
- Shutter Value Range: Min: 1/20000, Max: 1/25
- Auto Gain Control(SENSE UP+): 42
- Sense Up: Off
- Color Mode: Black/White
- Light Setting: Smart Dual Light
- Light Duration: 10 (10~100)
- IR LED: 100
- White LED: 100
- IR Cut Filter: Off

A 'Load Default' button is located at the bottom of the settings list.

- Light Duration**
 Can be set between 10 and 100 seconds. This is the amount of time the Warm Light LED will stay on for after alarm event.
- White LED**
 Can be set between 0 to 100. This is the power % of the Warm Light LED that will come on during the alarm event.
- IR LED**
 Can be set between 0 to 100. This is the power % the IR LED will run at during night mode.

IR Alert Mode

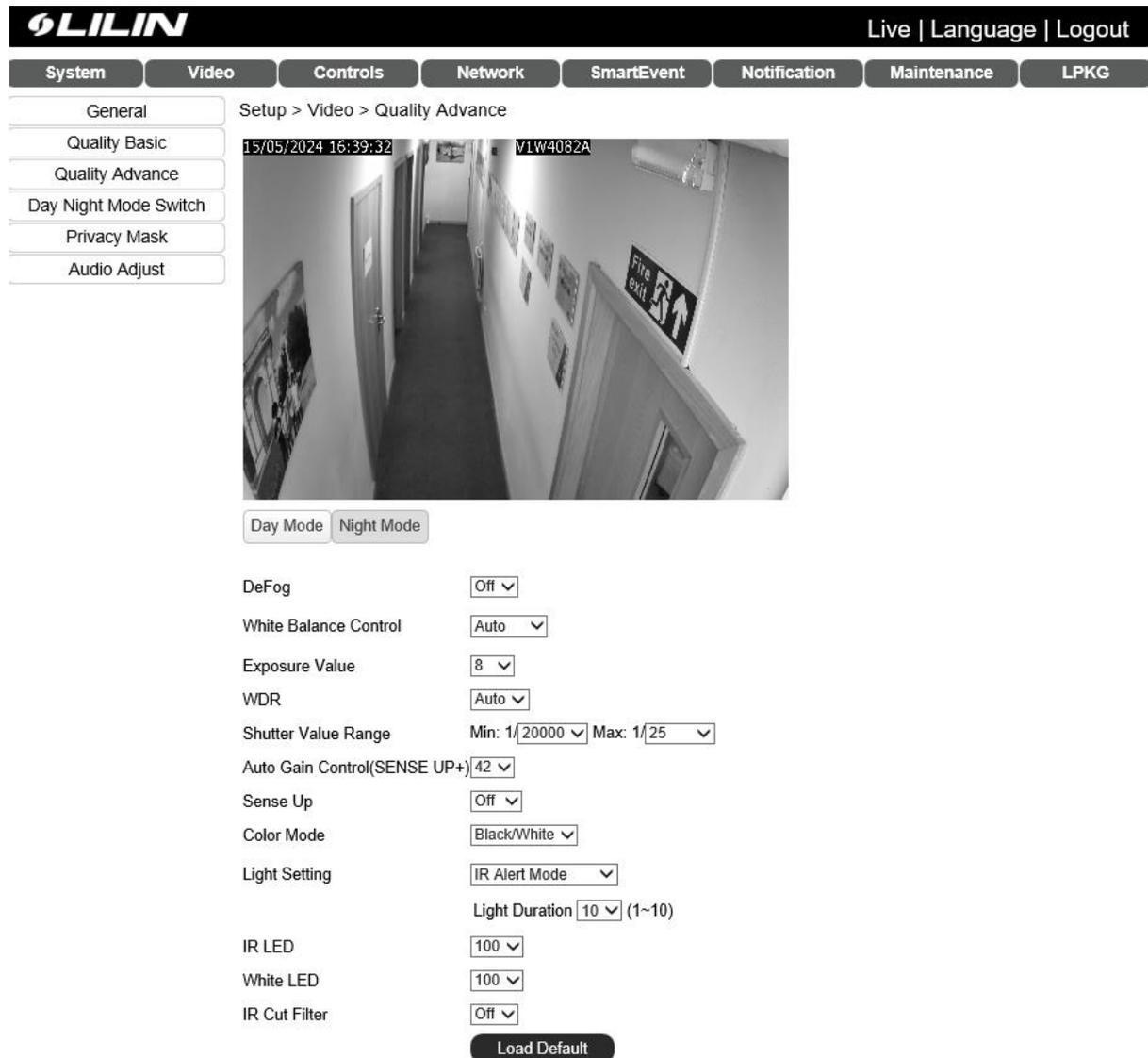
In this mode the camera will turn to mono in night mode and the IR LED will come on.



Once the AI engine is triggered by a classified object entering the alarm zone the camera will stay in Mono Mode and the Warm Light LEDs will flash for the predetermined amount of time (as a visual deterrent). The IR LEDs will stay on.



The default IR Alert Mode Settings can be modified under Menu/Video/Quality Advance



Setup > Video > Quality Advance

15/05/2024 16:39:32 V1W4082A

Day Mode Night Mode

DeFog Off

White Balance Control Auto

Exposure Value 8

WDR Auto

Shutter Value Range Min: 1/20000 Max: 1/25

Auto Gain Control(SENSE UP+) 42

Sense Up Off

Color Mode Black/White

Light Setting IR Alert Mode

Light Duration 10 (1~10)

IR LED 100

White LED 100

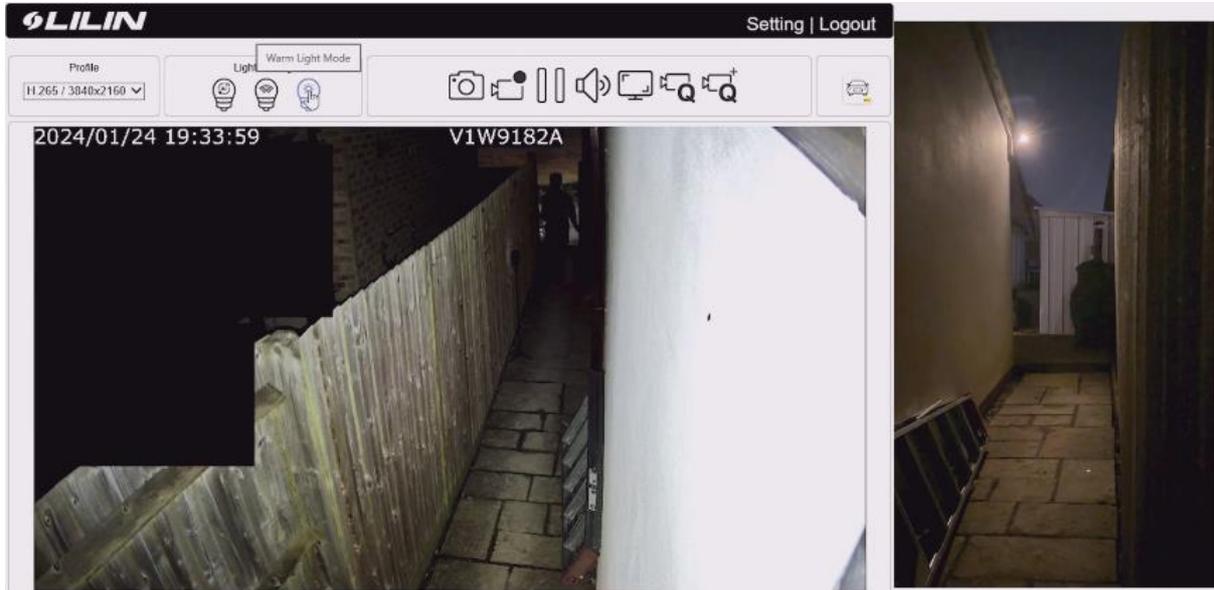
IR Cut Filter Off

Load Default

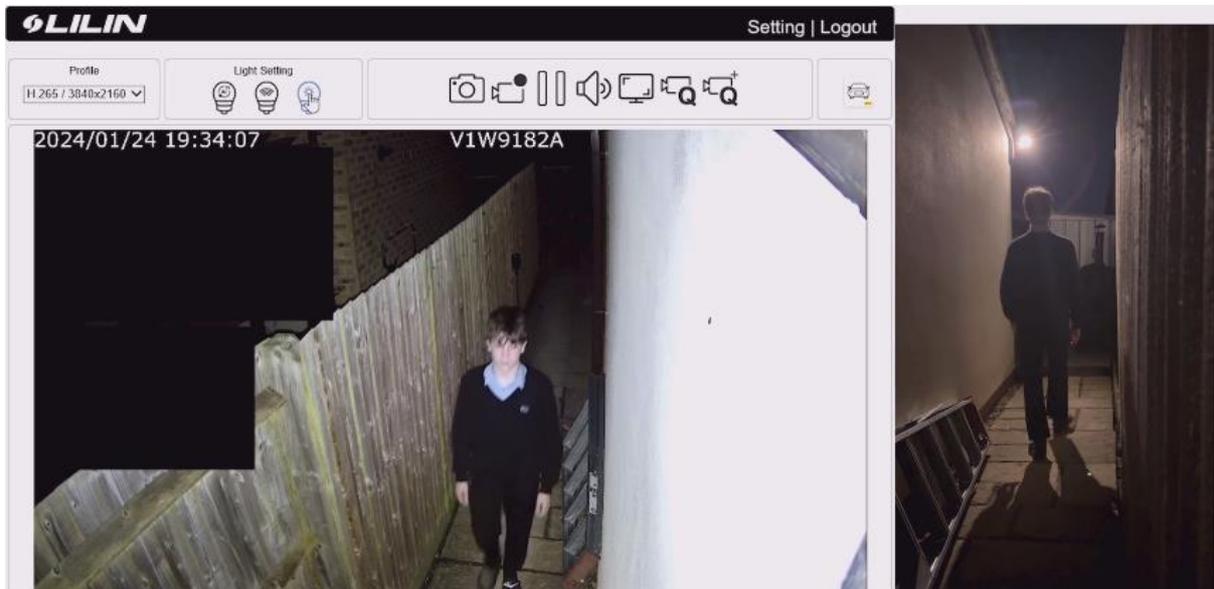
- **Light Duration**
Can be set between 10 and 100 seconds. This is the amount of time the Warm Light LED will flash for during the alarm event.
- **White LED**
Can be set between 0 to 100. This is the power % of the Warm Light LED that will come on during the alarm event.
- **IR LED**
Can be set between 0 to 100. This is the power the IR LED will run at during night mode.

Warm Light Mode

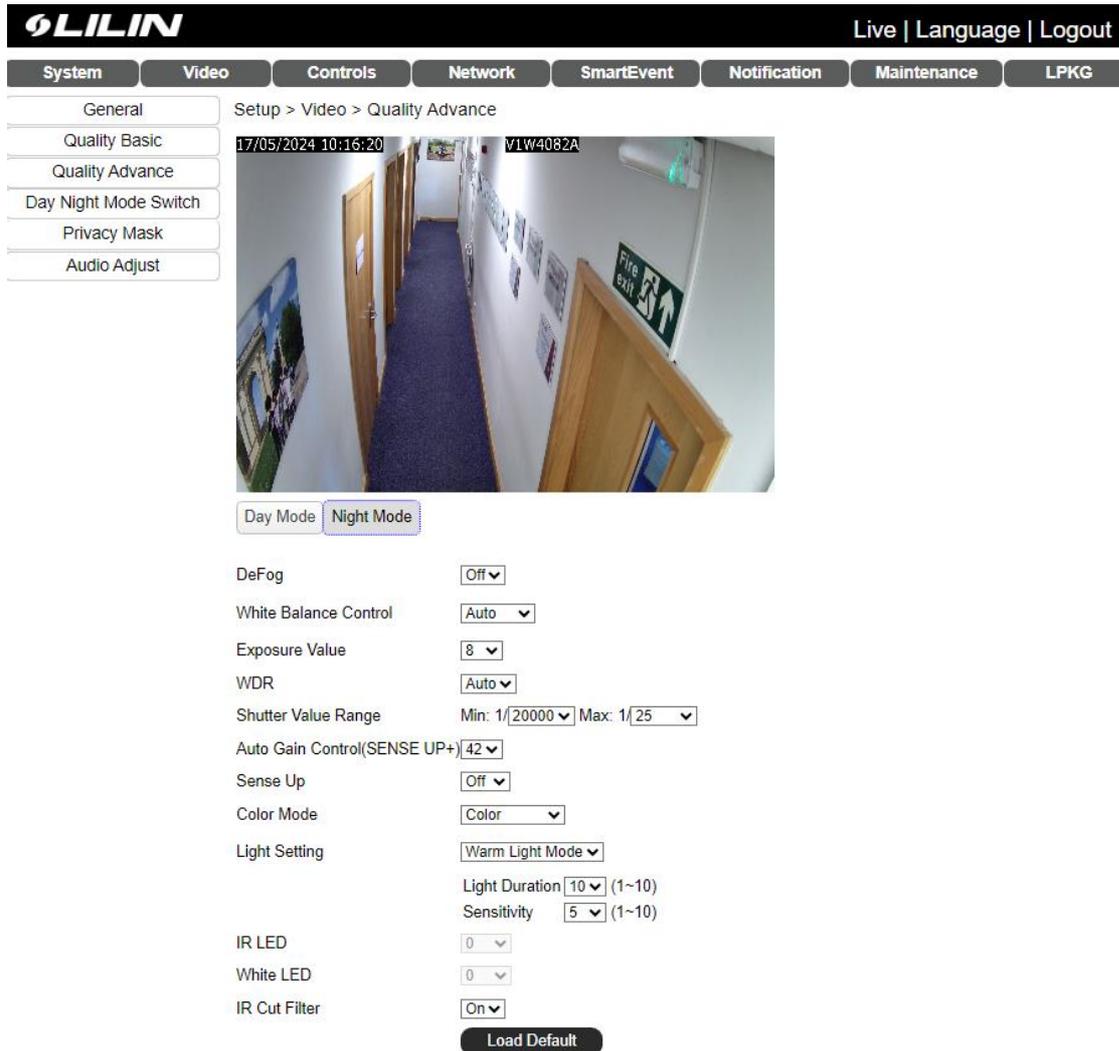
In this mode the camera will stay in Colour (even though its night mode). The Warm Light LEDs will come on at a lower level (set in sensitivity).



Once the AI engine is triggered by a classified object entering the alarm zone the camera will stay in Colour Mode and the Warm Light LEDs will increase to 100% for the predetermined amount of time. After the event they will revert to previous level.



The default Warm Light Mode Settings can be modified under Menu/Video/Quality Advance



The screenshot shows the LILIN web interface for camera configuration. At the top, there is a navigation bar with 'Live | Language | Logout' and a menu with tabs for System, Video, Controls, Network, SmartEvent, Notification, Maintenance, and LPKG. The 'Video' tab is selected, and the 'Quality Advance' sub-menu is active. A live video feed shows a hallway with a blue carpet and a fire exit sign. Below the video feed, there are two buttons for 'Day Mode' and 'Night Mode'. The settings list includes:

- DeFog: Off
- White Balance Control: Auto
- Exposure Value: 8
- WDR: Auto
- Shutter Value Range: Min: 1/20000, Max: 1/25
- Auto Gain Control(SENSE UP+): 42
- Sense Up: Off
- Color Mode: Color
- Light Setting: Warm Light Mode
- Light Duration: 10 (1~10)
- Sensitivity: 5 (1~10)
- IR LED: 0
- White LED: 0
- IR Cut Filter: On

A 'Load Default' button is located at the bottom of the settings list.

- Light Duration**
 Can be set between 10 and 100 seconds. This is the amount of time the Warm Light LED will be at 100% during the alarm event.
- Sensitivity**
 Can be set between 1 to 10. The higher the value the earlier the White Light LED will come on in night mode.

Colour Mode with Warm Light only on alarm

If you want your V1W camera to stay in colour mode (even at night) and only switch the warm light LED when there is an AI alarm do the following:

Choose Dual Smart Mode and then enter Quality Advance and edit the Night Mode



Mode Night Mode

	Off
Balance Control	Auto
Gain Value	8
	Auto
Gain Value Range	Min: 1/20000 Max: 1/25
Gain Control(SENSE UP+)	42
Up	Off
Mode	Color
Setting	Smart Dual Light
	Light Duration 10 (10~100)
IR	0
IR LED	100
Filter	On
	Load Default

Set Color mode to: Color
Set IR Cut Filter to: On
Set IR LED to: 0

Note: The warm light will come on once the external light levels are dark enough for the camera to switch to Night Mode.

Camera as a V1R

If you want your V1W camera to behave like a standard V1R (Colour in the day, IR at night with a normal AI engine)

Choose IR alert mode and change the value of 'White LED' in night mode to 0 (zero).

LILIN Live | Language | Logout

System Video Controls Network SmartEvent Notification Maintenance LPKG

General Setup > Video > Quality Advance

Quality Basic 17/05/2024 11:29:45 V1W4082A

Quality Advance

Day Night Mode Switch

Privacy Mask

Audio Adjust

Day Mode Night Mode

DeFog Off

White Balance Control Auto

Exposure Value 8

WDR Auto

Shutter Value Range Min: 1/20000 Max: 1/25

Auto Gain Control(SENSE UP+) 42

Sense Up Off

Color Mode Black/White

Light Setting IR Alert Mode

Light Duration 10 (1-10)

IR LED 100

White LED 0

IR Cut Filter Off

Load Default

Trigger the Warm Light by AI event

You can choose for the warm light to be triggered every time there is an AI alarm (no matter what the light levels/mode the camera is in).

To do this:

In the plugin choose Output Tab. Then tick the enable HTTP notification.

Output Settings

Enable HTTP notification

Notification Events

- Camera virtual 1
- Camera virtual 2 / SD recording
- Camera virtual 3 / White LED
- Camera virtual 4
- NVR HTTP digital alarm output
- Webhook
- Light up the 13th IO Box output
- Light down the 13th IO Box output
- Go to PTZ preset

Verify Clean

Enable heartbeat

Dwell (Min) >=

10

Heartbeat output [None]

Protocol HTTP Method GET

Event name [Camera virtual 1]

Host IP [localhost] Host port [80] Timeout(<=60) [5]

URL [/control?virtual.input0=1]

Username [admin]

Content-Type [multipart/form-data]

If the event name gets a new one, any setting about the old event name will be clear.

The special characters, ., and space, are not supported for the username and password.

Apply

Create SmartEvent

Select Alarm Tab & tick Camera virtual 3/White LED as your Detection Zone Output Alarm

Alarm Settings

Enable object classification

AI object size filter (FOV%)

80

Confidence (%) >

96

Dwell (Sec) >

5

Dwell (Min) > [None]

Classification

- person
- car

Stop triggering if it detects [None]

Behavior object size filter (FOV%) for each zone

1 8

Behavior detection

- Prohibit zone
- Zone with dwell / Parking violation
- Tripwire / Traffic flow
- Density detection
- AI missing object detection
- All objects detection (AND)
- Lack of any object detection (NAND)

Detection zone output

- Camera virtual 1
- Camera virtual 2 / SD recording
- Camera virtual 3 / White LED
- Camera virtual 4
- NVR HTTP digital alarm output
- Webhook
- Light up the 13th IO Box output

09/03/2023 13:14:34 VIEW02A

PPS:0,10

Detection zone + - All 1

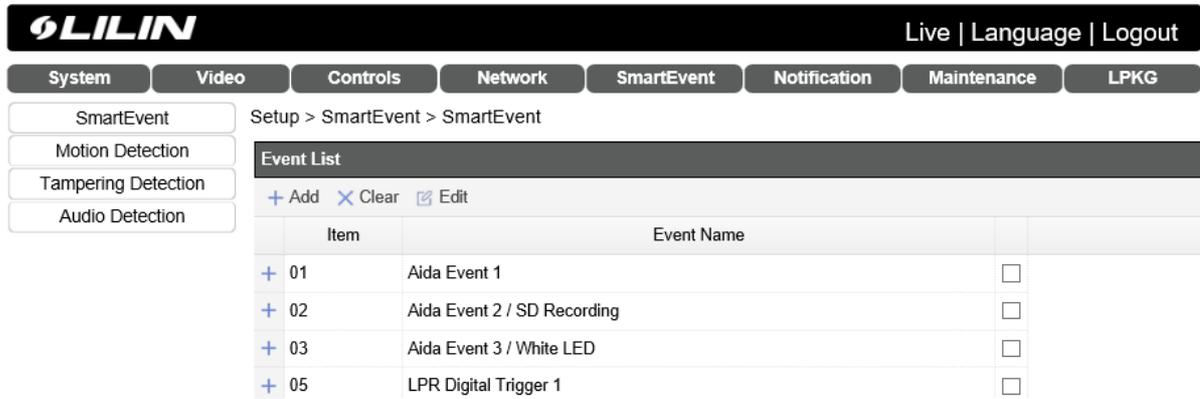
Show classified object only

Trace

Cold zone [Show] [Clean] [Set] [Exclusive zone]

This will activate the Smart Events in the standard camera menu. These can then be edited as required.

For example, a schedule can be set & the time of the Warm Light LED activation can be set



SmartEvent

Motion Detection

Tampering Detection

Audio Detection

Setup > SmartEvent > SmartEvent

Event List			
+ Add × Clear ☑ Edit			
	Item	Event Name	
+ 01		Aida Event 1	<input type="checkbox"/>
+ 02		Aida Event 2 / SD Recording	<input type="checkbox"/>
+ 03		Aida Event 3 / White LED	<input type="checkbox"/>
+ 05		LPR Digital Trigger 1	<input type="checkbox"/>