



QUICK START GUIDE

15M LO15HD4GG

40M LO40HD4GG



Set Up & Activation - OCULi Online Set Up

YOUR CAMERA

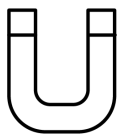
BOX CONTENTS

OCULi Camera
Allen Key
Screw Driver
Screws
Raw plugs

CAMERA OVERVIEW

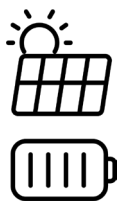


OPTIONAL EXTRAS (SOLD SEPARATELY)



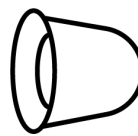
Magnetic Mount

Super easy deployment with the magnetic mount.



Solar Kit

5W Solar panel comes with rechargeable batteries and all parts needed.



Horn Speaker

Play automatic alerts or make a live voice challenge on detection.



Sounder Beacon

Up to 117db alarm combined with flashing lights to be used as deterrent.

CONTENTS

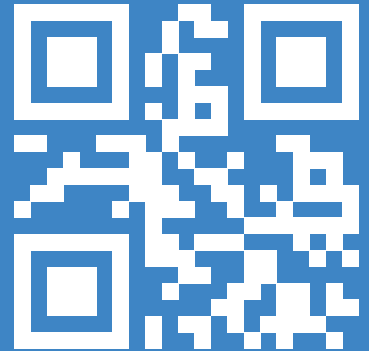
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1. REGISTER YOUR CAMERA

Setting up an **online account** is easy and only takes a couple of minutes.

**Scan the QR code, or
visit www.OCULi.online**

Follow the on-screen guide to either create your account or log into a pre-existing account. Once registered, your activated SIM can be linked to your account.



2. LINK YOUR SIM

To link your SIM we require the following information:

Your name

Company name

Email address

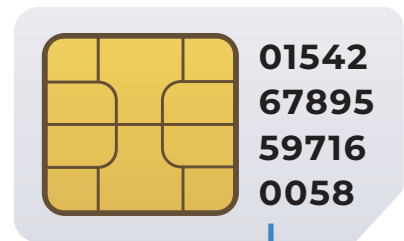
Required tariff

Current tariffs can be found online.

Not applicable if you are using your own SIM.

19-digit SIM IMEI number

This can be found on the simcard



IMEI number

Please provide this information to us via the below email:

info@luminite.co.uk or call us on **020 8368 7887**

Once your SIM has been linked to your account, our friendly team will send you a direct debit mandate for your SIM tariff monthly / server charges via **GoCardless**.

For any enquiries regarding SIM tariffs and billing please email info@luminite.co.uk

**BEFORE POWERING ON YOUR UNIT
YOU MUST SET UP YOUR OCULi ONLINE
ACCOUNT AND ACTIVATE YOUR SIM.**

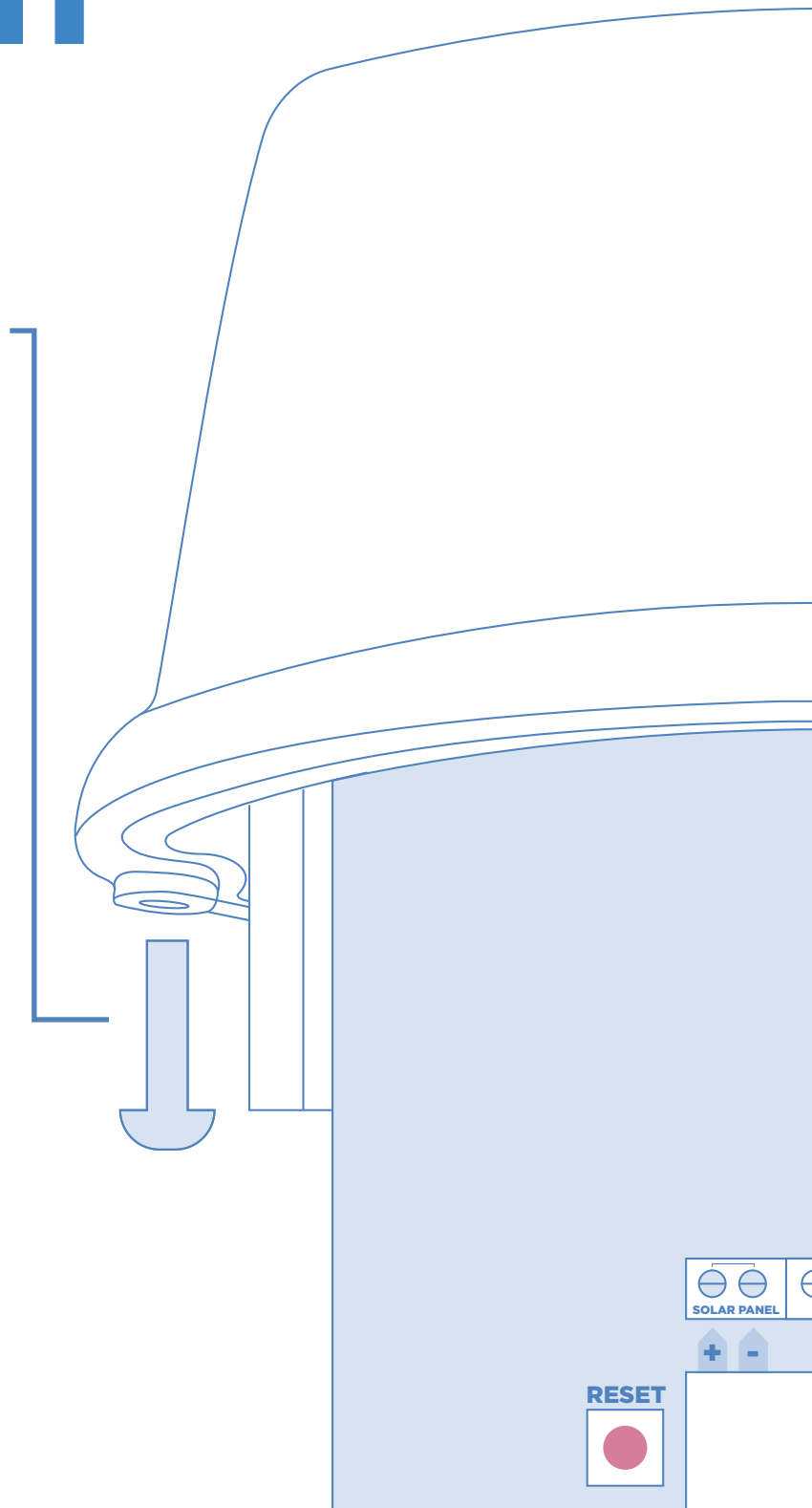
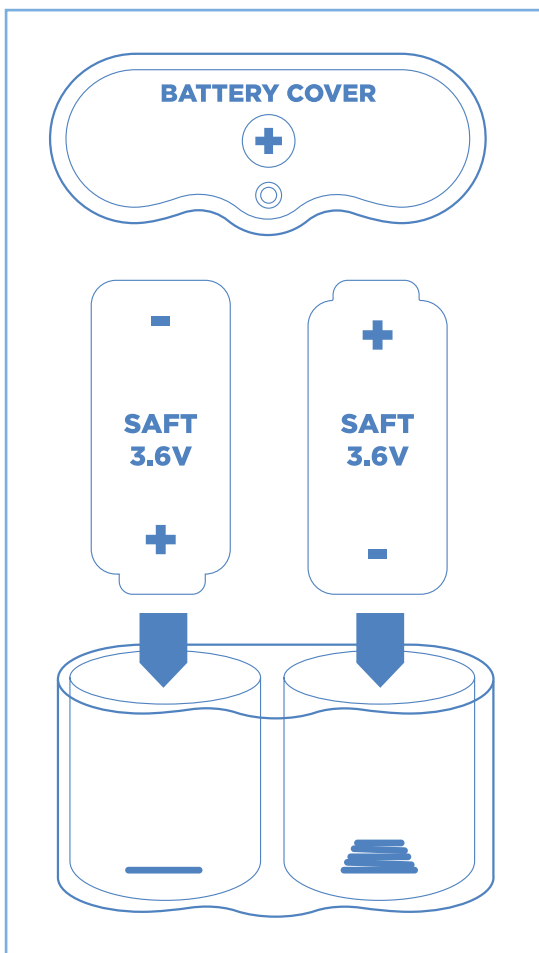
3. POWER UP YOUR UNIT

1. TAKE OFF THE BACK COVER

Using the allen key provided undo the 2 screws on the back of the unit to remove the cover.

2. INSERT BATTERIES

Remove the screw on the battery cover and insert your batteries as per the image below.



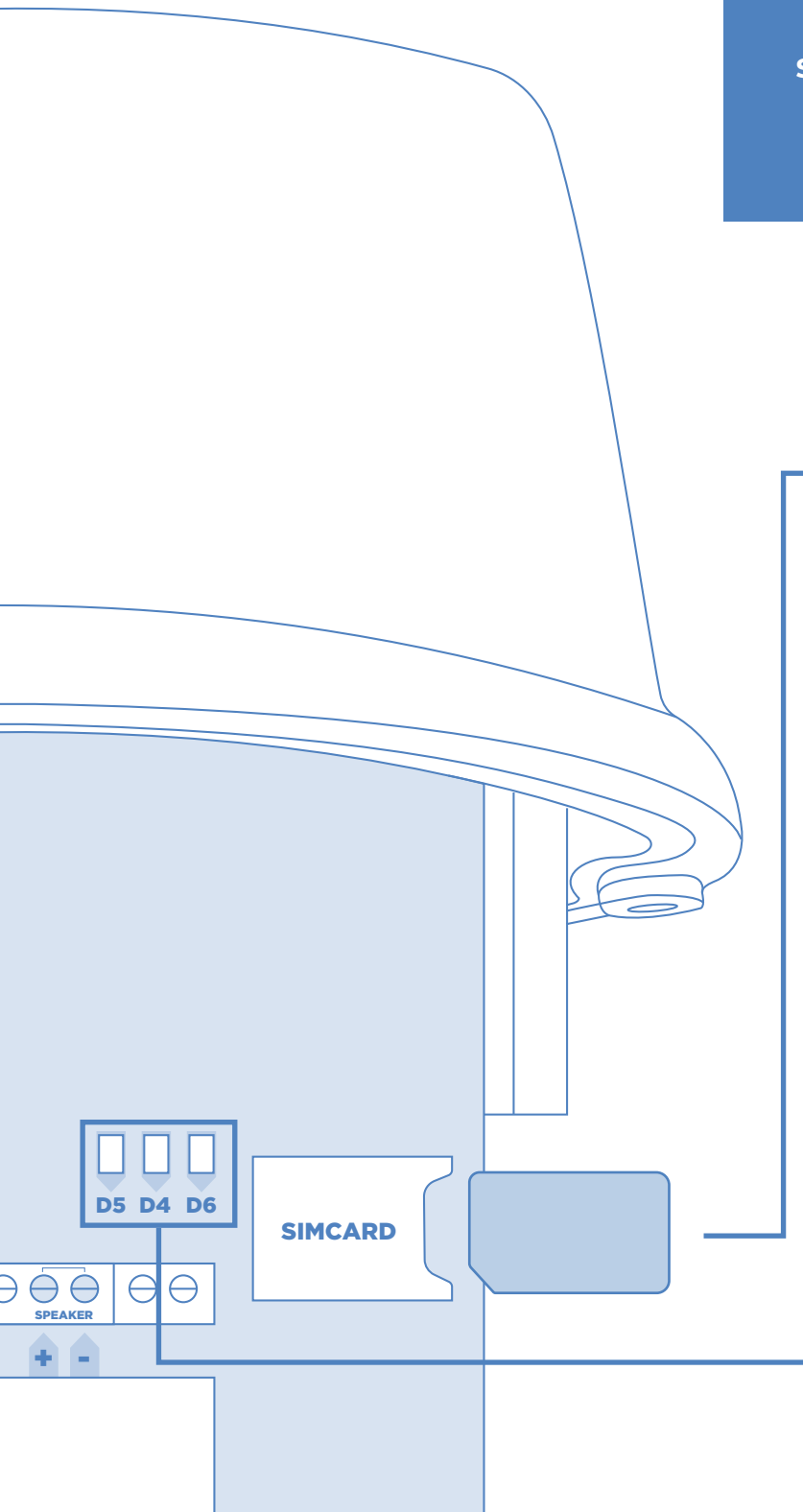
Once the connection to the server has been established the OCULi unit will self-populate to the web interface and take a series of images. These will be uploaded to the server as an initialisation event (yellow).

3. INSERT YOUR SIM CARD

Insert your activated and assigned SIM card chip side down into the slot as indicated on the diagram.

4. YOUR CAMERA SHOULD NOW INITIALISE

D4 and D6 will flash followed by D5 which will continue to flash whilst the modem searches for a network and will stay lit once the connection has been established.



4. SETTING UP THE PORTAL

UNIT MANAGEMENT

Each unit can be easily managed using the web portal. Simply click on the **units** tab on the left hand side to open up a list of cameras.

From here you can click on the unit you wish to manage to open up the settings screen.

Once all the necessary modifications to the unit have been made, make sure you save the settings otherwise all changes will be lost and the decide will be restored to the previous settings.

Please note: the suggested power saving mode setting for optimal performance is 6, although this may be adjusted as required. Descriptions of these can be found on the portal.

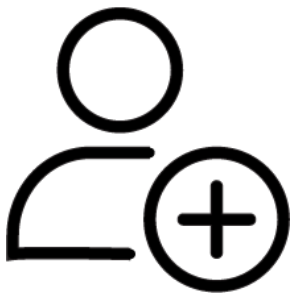
Site	Camera	Date ↓
lan	OCULi 6008065 15m - lan	25/12/23 22:01
lan	OCULi 6008065 15m - lan	25/12/23 12:48
lan	OCULi 6008065 15m - lan	24/12/23 06:59
lan	OCULi 6008065 15m - lan	24/12/23 02:07
lan	OCULi 6008065 15m - lan	24/12/23 01:06

SITE MANAGEMENT

Once a unit has connected to the server, a default site will be created in the **sites** tab. This default site is designed to be used as a template for other sites.

To add a new site click on the default site and make the required changes in the settings. To save this as a new site, simply enter a site name into the **save as another site** field at the bottom of the page and click **save site**.

You can now refresh the list of sites where the new site will appear.



Adding a user to your site can be done in the site tab of the web portal. Choose the site you wish to manage and scroll to the **assign site to the users** section at the bottom.

To add a user choose their name from the list.

to create a new user please see details in the next section.

Once you have selected the user click **add role to site**, this will add the user to the **site notification for the user** section. After the user has been allocated, click the settings option to select which notifications they will receive.

To save your changes click **save site** at the bottom of the page.

Please note: Users will not receive notifications until notifications have been assigned.

USER MANAGEMENT

When you register an account on the OCULi.online portal an initial user will be created using the details used to sign up. This user will be assigned the manager role by default.

To add a new user click on the **users** section on the left and select the **add user** button at the top. Fill in all of the required fields including the email address and password for the new user. You will also need to select the role for this user from the options below:

Operator - can only see events and get notifications

Manager - has full privileges and can make changes to the portal

Once all fields are complete you can save the user.

To deactivate a user navigate to the **users** tab and select the user from the list. The status of this user can then be changed to **deactivated**, and the user will be unable to log into the portal.

Alternatively, you can delete the user. Please note this cannot be undone.

Resetting a password can only be done by emailing us at **info@luminite.co.uk**. When emailing please include the company name and email address of the user. One of our team will then assign a **temporary password** to access the portal.

Once logged in we recommend you change this password by going to the **users** tab, selecting the user, and adding a new password in both the **new password** and **confirm password** fields.

Don't forget to click **save** to store the new password.

Please note: Managers can change the password of any user.

3RD PARTY INTEGRATIONS

OCULi supports various integration types, including Sentinel, Immix, Webeye and Twilio.

Simply click on the **sites tab** and choose the relevant site.

Navigate to the section titled **platform integration**. Select the platform you wish to integrate from the list and click the **integration** button to open the integration window. Here you can enter all of the necessary information for the integration.

Please note: Port 25 **cannot be used** for Immix as it is a blacklisted port by Microsoft.

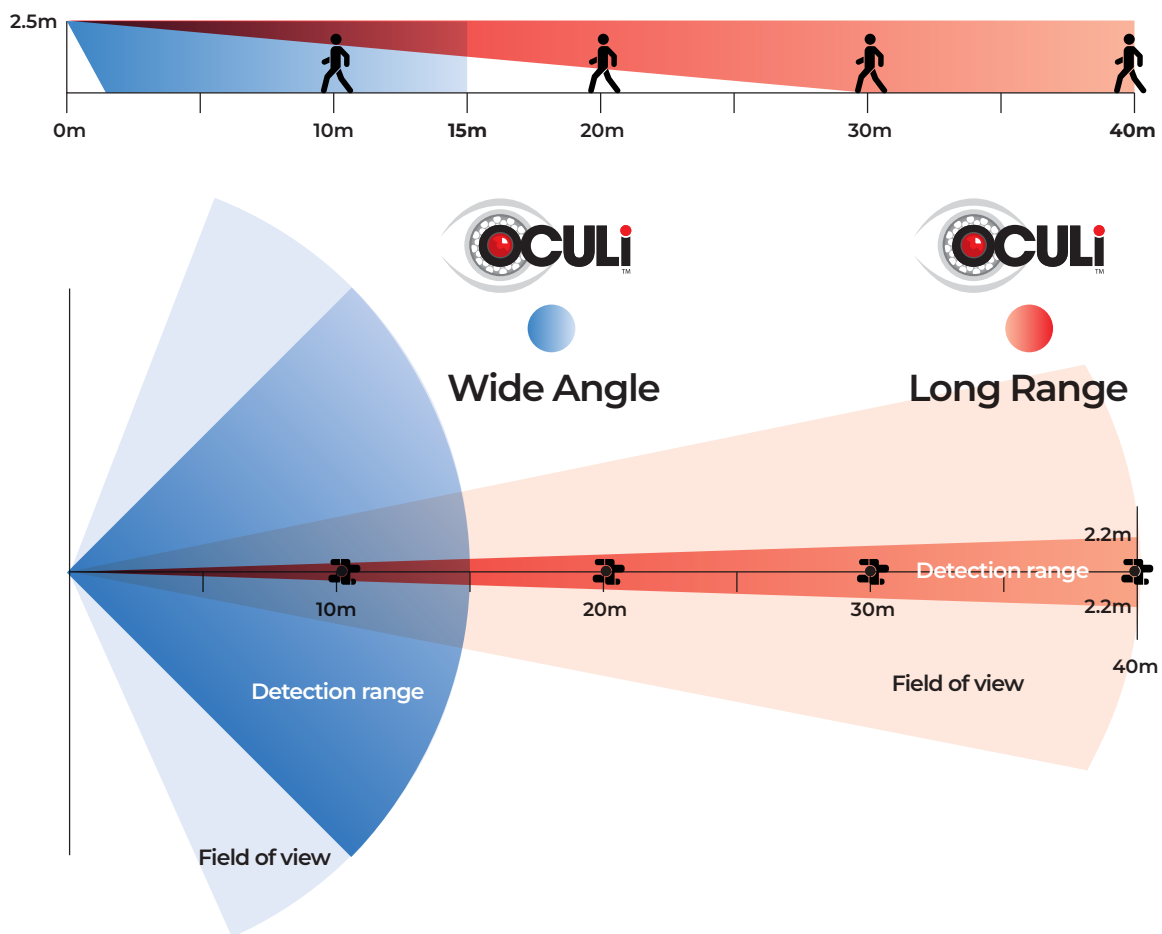
You will still need to whitelist OCULi in Immix and Sentinel Platforms.

Call our helpline for assistance if required.

5. INSTALLING YOUR UNIT

OCULi can be used anywhere that a good 4G signal is available. For best results we recommend installing your camera **2.5 - 4 meters** from the ground as this allows for maximum visibility.

The OCULi camera is available as either, the 15m wide angle or the 40m long range. Please see below visual of the differences in the field of view of each camera.



6. CAMERA CONFIGURATION

SETTING UP AN ARMING SCHEDULE

The arming schedule can be set on either the **site** or **individual unit**. Please note: if you want your site schedule to override the individual schedules of your units, you must tick 'site has master schedule' in the site settings. Changes to your arming schedule will update when the OCULi unit next connects to the server; for example, after a detection event or heartbeat.

To set up the arming schedule, scroll down to 'set arming for each day of the week' in either the site or unit settings. Select a day of the week to get started.

The schedule can be armed and disarmed 3 times per day. Click **add new alarm** to add an on/off segment, or **X** to delete one. A 24 hour cycle starts at 00:00 (midnight AM) and ends at 24:00 (midnight PM). To set a schedule that only operates outside of regular office hours, for example, you could set your first on/off segment to ON 00:00 - OFF 09:00, and your second to ON 17:00 - OFF 24:00. This cycle would disarm the unit from 9AM to 5PM and arm it for the rest of the day.

To copy your schedule to another day, select the day from the **copy to** dropdown, and click the green **copy** button. Please note: **copy to** is only available when setting up the site arming schedule, and is unavailable on individual units.

To set a 24/7 arming schedule, click the green 24/7 button. Please note: setting a 24/7 schedule on busy sites will affect battery life and increase data usage.

PIR SETTINGS AND POWER SAVING MODE

Please note: changes will only be made on the next detection or heartbeat. There is no option 5 available on the online portal.

1

WALK TEST

OCULI will flash a high-power red LED each time movement is detected. When finished walk testing, change the Power Saving Mode to your preference. IE: 6 which is the default setting. **Do not leave it in Walk Test mode otherwise the batteries will be drained.**

2

ALARM CAN BE SENT ONLY AFTER 3 MINUTES IN PEACE

Once activated, further alerts will not be sent for 3 minutes and will only be sent again if there is no activity in front of the camera after this time period. The timer is reset if there is any movement and the device must wait another 3 minutes.

3

ALARM CAN BE SENT ONLY AFTER 10 MINUTES IN PEACE

Once activated, further alerts will not be sent for 10 minutes and will only be sent again if there is no activity in front of the camera after this time period. The timer is reset if there is any movement and the device must wait another 10 minutes.

4

ALARM CAN BE SENT ONLY AFTER 30 MINUTES IN PEACE

Once activated, further alerts will not be sent for 30 minutes and will only be sent again if there is no activity in front of the camera after this time period. The timer is reset if there is any movement and the device must wait another 30 minutes.

6

(DEFAULT)

FURTHER ALARMS ARE BLOCKED FOR CONSTANT 3 MINUTES AFTER ALARM

Regardless of whether there is movement in front of the camera or not, alerts will be sent once the 3 minute timer has expired.

7

FURTHER ALARMS ARE BLOCKED FOR CONSTANT 10 MINUTES AFTER ALARM

Regardless of whether there is movement in front of the camera or not, alerts will be sent once the 10 minute timer has expired.

8

FURTHER ALARMS ARE BLOCKED FOR CONSTANT 30 MINUTES AFTER ALARM

Regardless of whether there is movement in front of the camera or not, alerts will be sent once the 30 minute timer has expired.

&

AND/OR & PULSE COUNT FUNCTIONS

AND - movement needs to be registered in both sensor areas to generate an alarm

OR - movement only needs to be registered in one sensor area to generate an alarm

PULSE COUNT - how many movement 'pulses' need to be registered by the sensor in order to generate an alarm

SETTING THE RESOLUTION

The resolution of your camera can be set using the OCULi online portal. In order to do this, **select the required unit** and scroll down to the **video settings area**.

Select resolution from the drop-down menu and choose from **VGA, HD, 1080p or 5MP**. From here you can also select from two compression choices; **Differential JPEG or normal JPEG**. **Note: differential pictures frequently distinguish between the reference image and all the images captured after it.**

Once all changes are made please ensure to click **save unit** at the bottom of the page. **Please note, changes will not take effect until the OCULi device is connected to the server again.**

SNAPSHOT MODE

When Snapshot mode is ticked in the **'Set up the heartbeat'** section, the unit captures a single image at a set interval and immediately sends it to the server. The frequency of image capture can be set using the **'minutes'** (MM) setting of the Heartbeat time from 1 - 59 minutes. The hour (HH) does not matter.

Snapshot mode is activated as per the arming schedule. When the unit is armed, Snapshot mode will continue to run. When the unit is disarmed, Snapshot mode will cease and the OCULi unit will sleep until the next arming cycle begins.

Please note: whilst Snapshot mode is enabled, the PIR function of the OCULi unit is overridden and it will only report Snapshot events. This means that the unit will not be triggered by PIR detection or tampers. Please also be aware that Snapshot mode is both a power and data intensive feature, and that long-term use will shorten battery life and potentially incur excess data charges (data tariff depending).

NIGHT-TIME EXPOSURE

To ensure that the main area of interest is exposed correctly, night-time exposures are manual. When the shutter is set to 0, frames are exposed for the full frame duration. To reduce motion blur the duration can be reduced by setting the shutter control from -1 to -5.

To produce better night vision images please **uncheck settle exposure** and **set the shutter to 2**. The OCULi may also need to boost the contrast - this is done by increasing **exposure above 0**.

In practice SHUTTER + EXPOSURE should equal +2.

For example:

Shutter 0 and Exposure +2 will give the best exposure at a distance.

Shutter -3 and Exposure +5 will give the best results on moving objects close to the OCULi.

7. ONLINE SETTINGS EXPLAINED

LIVE

When the camera senses movement or receives an external trigger, it will stay online and connected to the cloud. It will ping the server every 20 minutes and relay any further detection without the 25-second wait required by the modem to go live. It must be manually switched off, otherwise the batteries will run out.

Please note: Live mode will consume a large amount of battery and should only be used with a Solar Kit.

STANDBY

In this mode the camera will stay online for 5 minutes after any detection. When OCULi senses movement, the 5 minute timer is reset and the modem stays online for another five minutes.

STAND DOWN

In stand down mode OCULi will enter power saving mode 4 for 30 minutes, disarming it and stopping it from sending any more detections. Only once the OCULi has been in a state of calm for 30 minutes will detections be reported. The timer for 30 minutes is reset every time it detects something if in between this window.

8. EVENT TAB EXPLAINED

Once an event has been captured it will create a log in the events tab. From here you can mark the event as read, start and stop the footage, change the brightness and contrast of the video, save the images or event video clip and view individual frames.

Adjusting the brightness and contrast of the captured images can be done by moving the sliders underneath the event footage.

Save the event as either still frame images by clicking **save as images** or as a video clip by clicking **save as video**.

View individual frames by clicking them on the scrollbar at the bottom of the event screen. Hovering over the frames will also display the date and time of the event.

EVENT TYPES

DETECTION	INITIALISATION	USER REQUESTED
TAMPER	EXTERNAL	MOVE
HEARTBEAT	CLOAK ON	SNAPSHOT

