YOUR EYES IN THE FIELD

Obscape's Time-Lapse Camera is a robust, fully wireless solution that delivers time-lapse images to your desktop in real-time. It allows you to have a look at your area of interest at any time the day, wherever you are.

Whether you are monitoring coastal erosion, progress of construction works, beach attendance or vegetation growth, time-lapse images can help you to collect the required data. Due to its wireless nature and compact housing, our Time-Lapse Camera is easy to deploy in any environment.

KEY FEATURES

- Up to 5MP resolution
- Real-time data (single images at interval)
- Completely wireless
- Solar powered

- Real-time data up to 4G
- Multiple mounting options
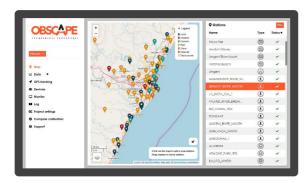- Versatile data portal included

COVERING TIME AND SPACE

Most measurement systems will either collect continuous point measurements (e.g. a pressure sensor) or sporadic spatial measurements (e.g. a GPS survey). The former do not reveal spatial variability, while the latter do not reveal fine-grained temporal variability of the observed environment. Time-Lapse cameras are your ideal partner to fill those gaps and achieve dense coverage of spatial and temporal dynamics, allowing you to keep a close watch on everything that happens in your area of interest.
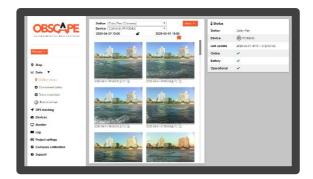
COMPLETELY WIRELESS

The Time-Lapse Camera is completely wireless. Power is supplied through built-in solar panels, while images are transmitted in real-time using a 4G GSM connection. Therefore, the Time-Lapse Camera is easy to install at any desired location within GSM coverage. There is no need to worry about access to mains power or the internet. Its wireless nature makes the camera very suitable for monitoring of remote areas, such as beaches and nature reserves.

WWW.OBSCAPE.COM

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The value of real-time observations strongly depends on the ability to view and analyse them in real-time. Therefore, the Time-Lapse Camera comes with a license for the Obscape Data Portal. The real-time images taken by your camera, as well as the data from any other Obscape device you own, are collected into the Data Portal. The Data Portal offers various options for viewing, managing and downloading your images, including the creation of time-lapse movies. It is your ultimate tool to unify the office and the field.

POST-PROCESSING OPTIONS

Image processing techniques are developing rapidly. While plain images already offer valuable information when inspected manually, automated image analysis techniques can turn the Time-Lapse Camera into your ultimate environmental monitoring tool. Techniques such as image projection (to real-world coordinates) and feature detection are currently being explored by Obscape and might become available in the future. If you already have such expertise in-house, nothing prevents you from applying it to your Obscape Time-Lapse Camera.

TECHNICAL SPECIFICATIONS

DATA SPECIFICATIONS

IMAGE RESOLUTION	Large (5MP), Medium (2MP) or Small (0.3MP), user selectable
ADDITIONAL PARAMETERS	Battery voltage, GSM signal strength, internal temperature
TIME-LAPSE INTERVAL	15 – 60 minutes (user selectable)
STORAGE	On-board micro SD card

WEB-PORTAL SPECIFICATIONS

IMAGE VIEWER	Clickable thumbnails and time range selector
ONLINE GRAPHS	Battery voltage, GSM signal strength, internal temperature
DOWNLOADS	JPG images (zipped), AVI time-lapse movie
FORWARDERS	JSON API or HTTP post
STATUS NOTIFICATION EMAILS	Online/offline, battery level

PHYSICAL CHARACTERISTICS

HOUSING WIDTH	87 mm
HOUSING DEPTH	87 mm
HOUSING HEIGHT	200 mm
WEIGHT	1 kg

ELECTRICAL CHARACTERISTICS

SOLAR PANEL CAPACITY	3W
BATTERY	1 single 18650 lithium battery
NOMINAL VOLTAGE	4.2 V

TELEMETRY SPECIFICATIONS

COMMUNICATION MODE	GSM (4G with 2G fallback- region determine prior to order),
REAL-TIME DATA INTERVAL	15 – 60 minutes (user selectable, same as time-lapse interval)
REAL-TIME DATA	Images (5MP, 2MP or 0.3MP, user selectable), GSM signal strength, battery voltage and internal temperature
GSM DATA LOAD	Approx. 800 kB per image (5MP)

PRICING

TIME-LAPSE CAMERA	€1,100 including web-portal license and mounting bracket
GSM COMMUNICATION	Micro SIM card and sufficient data credit to be arranged by user. Camera can also be run in offline mode (images saved to SD card).

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