



Camera Monitoring

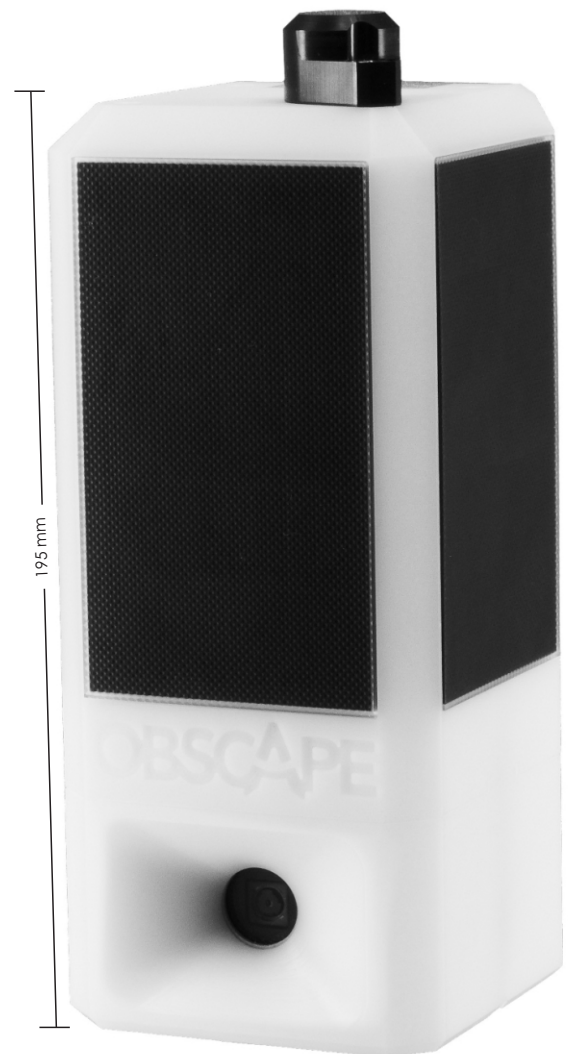
F12^{MP} Time-lapse Camera

PRECISION REDEFINED

The **F12^{MP} Time-lapse Camera**, equipped with a 12-megapixel image sensor, sets a new standard in visual monitoring by delivering exceptional image clarity and definition. Designed for long-term observation of gradually evolving processes such as beach and river morphology, and construction projects, its wireless, solar-powered design and compact housing enable effortless deployment. The **F12^{MP} Time-lapse Camera** supports the capture of dense spatial and temporal dynamics, addressing gaps in traditional measurement systems by revealing both spatial variability and fine-grained temporal changes.

KEY FEATURES

- 01 High Resolution:** Stunning 12MP resolution images
- 02 Versatile Capture Modes:** Snapshot, image burst, video-lapse, time-exposure
- 03 Reliable Connectivity:** Data transfer via cellular networks ensures seamless access
- 04 Robust Design:** Durable, weatherproof housing built for tough conditions
- 05 Easy Deployment:** Lightweight and multiple mounting options for flexible setup
- 06 Wireless & Solar Powered:** Cable-free with sustainable solar energy for easy deployment
- 07 Integrated Data Portal:** User-friendly portal for efficient data management and analysis



PURCHASE INCLUDES




- Free access to the **Obscape Data Portal**
- Mounting brackets
- SD card - can also be run in offline mode

Optional: Cellular global SIM
Includes €100 of data credit

F12^{MP} TIME-LAPSE CAMERA TECHNICAL SPECIFICATIONS

SPECS	
HOUSING SIZE	195 mm height x 87 mm width x 87 mm depth
WEIGHT	2 kg
PRIMARY POWER SOURCE	Solar-powered, 3 Watt
CONNECTIVITY	Cellular (4G with 2G fallback- region specific)
CELLULAR DATA LOAD	~1.5MP per message (12.3MP)
REAL-TIME DATA INTERVAL	10 minutes - 24 hours
BATTERY TYPE	1 x 18650 Lithium-ion battery
NOMINAL VOLTAGE	3.7 V

PARAMETERS	
TIME-LAPSE INTERVAL	10 – 60 minutes (User selectable)
CAPTURE MODES	Snapshot, image burst, video-lapse, time-exposure
BURST SIZE	1 to 10 images
BURST FRAME RATE	0.25 to 10 fps
DIAGNOSTIC PARAMETERS	Battery voltage, internal temperature and atmospheric pressure, signal strength

DATA STORAGE	
 CLOUD STORAGE	Free access to the Obscape Data Portal for real-time and historical data, sensor configuration, alerts
 STORAGE DURATION	Images are stored on the Obscape Data Portal for two years from date of capture - if this is not sufficient exception storage duration can be purchased
 ON-BOARD SD CARD	Data stored to the on-board SD card as a backup - or for cases where data connection is absent

OPTIONAL DATA OUTPUTS

User can specify one of the following outputs

Large	12.3MP, 4608x2592
Medium	5MP, 2560x1440
Small	2MP, 1920x1080



DATA ACCESS

SEAMLESSLY CONNECT FIELD DATA & OFFICE OPERATIONS

- 01 Image Viewer:** Clickable thumbnails and time range selector
- 02 Downloads:** JPEG Zipped, time-lapse videos (AVI or MP4)
- 03 Forwarding:** JSON API or HTTP post
- 04 Notifications:** Offline, low battery, parameter threshold exceedance

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