

Webcampak

High quality automated capture appliance



- > Building monitoring
- > Tourism « webcam »
- > Remote access
- > Automated timelapse video creation
- > High resolution
- > Online viewer panel

Webcampak is a 24/7 remote monitoring appliance equipped high quality DSLR cameras. You can use our products to remotely monitor progress of your projects or let your visitors watch an updated view of your location right from your website.

Webcampak is compliant with most of Canon or Nikon DSLR cameras. During our initial discussion we will study the best camera fitting your project.

Webcampak is provided with an outdoor heated and ventilated enclosure.

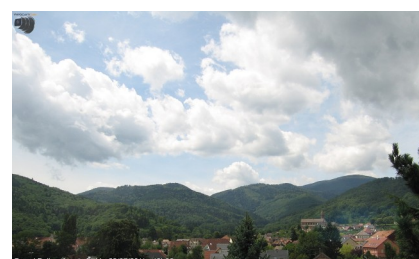
Capture frequency can be chosen between 20 seconds and 60 minutes. It can be limited to specific days and time (for example Monday-Friday 6:00am-8:00pm)

Webcampak can create, every night, a timelapse video of the previous day. These videos will let you monitor easily progress of your project.

A dedicated viewer panel let you browse within pictures and videos. Webcampak is equipped with a user management module to let you give access to some portion of the panel to your customers or providers.

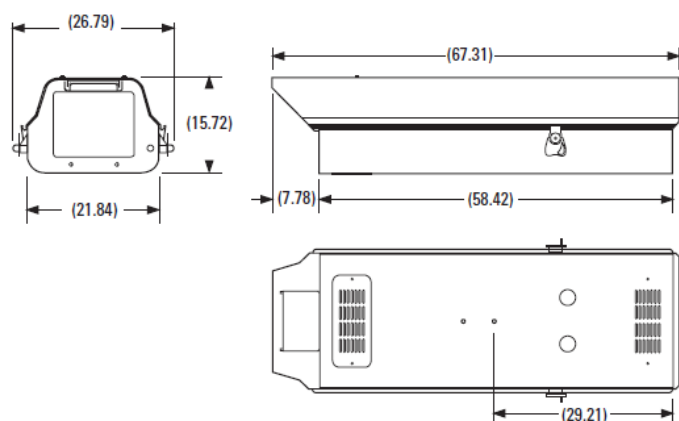
Webcampak can be configured with a low bandwidth consumption to accommodate various network topologies (xDSL, Wi-Fi, 3G, ...). Webcampak can be easily connected to your existing network infrastructure.

Webcampak is provided with 160 GB internal storage, in case of a network failure pictures are kept on local hard disk.



Technical specifications - Webcampak

Size



*in cm, excluding mount

Electrical / Mechanical

Power input	230 VAC, 50/60Hz
Operating temperature (enclosure)	- 23°C à 49°C
Construction (enclosure)	Aluminium (2mm)
Power consumption	
	80 W (with heater)
	10 W (without heater)
Weight	13 kg

Embedded computer

CPU	Intel Atom Z530 1.6 Ghz
Memory	1 Go DDR2-533
Storage	160 GB
Network	2x 1000 Base-T Ethernet
Auto boot	yes*

* Automatically (re)start Webcampak if power is cut during more than 10s

DSLR Camera

DSLR camera is chosen and provided by the customer, it is then installed inside Webcampak enclosure within our premises.

Compatible cameras*

.....	Canon EOS 1000D (Rebel XS)** / 1100D (Rebel T3)
.....	Canon EOS 550D (Rebel T2i)** / 600D** (Rebel T3i)
.....	Canon EOS 60D
.....	Canon EOS 5D Mark II

*Non exhaustive list, only cameras with two stars (**) have been extensively tested within our premises.

Eurotechnia and/or Infracom cannot be liable for any incident resulting of a failure of the capture device (DSLR camera).

Pictures storage

The following storage capabilities are available::

.....	Internal storage*
.....	Primary FTP backup
.....	Secondary FTP backup

FTP backup (primary or secondary) can be performed on a local or remote (Internet) network. *It is strongly suggested to use at least one backup destination (FTP).

Network protocols

Viewer / Administration panel:	HTTP*
Pictures / videos upload:	FTP
Pictures / videos download:	FTP or HTTP
Email alerts:	SMTP (compatible SSL)
Remote maintenance (Webcampak support):	VPN, SSH

* HTTPS available as an option

Formats

Picture

Format	JPEG
Resolution	depending of the camera

Video

Format	H.264, MP4
Resolution (default)	1080p, 720p, 480p
Resolution (custom)	to be chosen
Framerate	from 1 to 30 fps

« on-the-fly » modifications (pictures)

Cropping	yes
Insert legend and date	yes
Insert watermark	yes
Privacy shading	yes
Resize	yes
Create thumbnails	yes

Video creation

Two modes (can be used simultaneously):

.....	Automatic video, started automatically every 24h00
.....	Custom interval, started manually

Add audio track	MP3
Multiple formats	yes (4 max)
In-browser preview	yes

Viewing and configuration

Configuration and browsing through pictures and videos is available using a Web browser (best displayed in Google Chrome or Mozilla Firefox).

Multiples sources

Number of sources: 4
Webcampak can use up to 4 different capture sources. A source can be a device (camera) or a file (a picture from another source). Multi-sources allow various manipulations and processing from one single picture.

Note: If using multiple cameras, installation and configuration of the system must be performed within our premises (it may be complex).

Options

- Network storage (NAS)
- Wi-Fi connexion (bridge)
- Remote VPN access
- Network firewall
- Sensors (temperature, pressure, humidity ...)
- Processing server (**Webcampak-Pro**)
- Glass wiper (enclosure)
- Satellite Internet connection (currently being tested)
- Solar power / wind turbine (currently being developed)

Webcampak-Pro

We developed a dedicated server called Webcampak-Pro. This product has been created to ease pictures visualisation and processing, especially in a multi-Webcampak environment.

This server can be installed within the customer premises or hosted in a secured datacenter (such as OVH). It can be connected to a secured network storage device (NAS) to increase the server's capacity.

Exact configuration will be studied on a per-customer basis and will depend of the number of sources and the amount of pictures.

Webcampak and Webcampak-pro have the **exact same functionalities**.