

Long-term timelapse monitoring technologies

Custom built



One-time timelapse solution built by a hobbyist or photographer for a specific project. This solution can use a large variety of capture devices, from low cost USB Webcam to high-end DSLR camera. Reliability, security, costs, live monitoring, ... are all down to the individual who built the solution.

- Reliability ★★☆☆☆☆
- Scalability ★★☆☆☆☆
- Security ★★☆☆☆☆
- Picture Quality ★★☆☆☆☆
- Performance ★★☆☆☆☆
- Live monitoring ★★☆☆☆☆
- Cost ★★☆☆☆☆

Autonomous DSLR



Timelapse solution composed by an intervalometer and a DSLR camera. Pictures are taken at regular interval and stored within the system. The system is not equipped with live monitoring, therefore it's not possible to know if something is going wrong nor access live shots. If the system is compromised, captured pictures are likely to be lost.

- Reliability ★★☆☆☆☆
- Scalability ★☆☆☆☆
- Security ★☆☆☆☆
- Picture Quality ★★☆☆☆☆
- Performance ★★☆☆☆☆
- Live monitoring ★☆☆☆☆
- Cost ★★☆☆☆☆

Semi-Autonomous DSLR



Timelapse solution composed by an intervalometer, a DSLR camera and a local network connection or limited (quota) 3G/4G connectivity. Pictures are taken at regular interval, stored within the system and copied to an optional external backup. Live monitoring is limited due to connectivity constraints. A local redundant storage can prevent picture loss if case the system gets compromised.

- Reliability ★★☆☆☆☆
- Scalability ★★☆☆☆☆
- Security ★★☆☆☆☆
- Picture Quality ★★☆☆☆☆
- Performance ★★☆☆☆☆
- Live monitoring ★★☆☆☆☆
- Cost ★★☆☆☆☆

DSLR Controller



Timelapse solution composed by a DSLR camera and a controller. The system is connected to Internet, enabling live monitoring and increasing reliability by means of redundancy. A large set of features and mechanisms are available to ensure project's success.

- Reliability ★★☆☆☆☆
- Scalability ★★☆☆☆☆
- Security ★★☆☆☆☆
- Picture Quality ★★☆☆☆☆
- Performance ★★☆☆☆☆
- Live monitoring ★★☆☆☆☆
- Cost ★★☆☆☆☆

IP Camera Controller



Timelapse solution composed by a regular IP Camera connected to a network. A controller connect to the camera at regular interval to download pictures. Picture definition usually max at 5 megapixels.

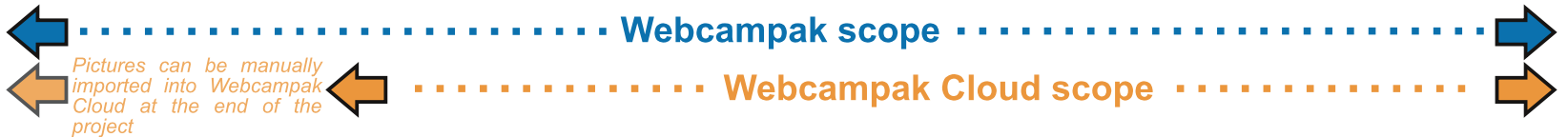
- Reliability ★★☆☆☆☆
- Scalability ★★☆☆☆☆
- Security ★★☆☆☆☆
- Picture Quality ★★☆☆☆☆
- Performance ★★☆☆☆☆
- Live monitoring ★★☆☆☆☆
- Cost ★★☆☆☆☆

High-end IP Camera



Timelapse solution composed by a high-end IP camera and a controller. The system is connected to Internet, enabling live monitoring and increasing reliability by means of redundancy. A large set of features and mechanisms are available to ensure project's success.

- Reliability ★★☆☆☆☆
- Scalability ★★☆☆☆☆
- Security ★★☆☆☆☆
- Picture Quality ★★☆☆☆☆
- Performance ★★☆☆☆☆
- Live monitoring ★★☆☆☆☆
- Cost ★★☆☆☆☆



1/ IP or DSLR camera ?

Choosing between an IP camera or a DSLR camera for a timelapse project can be complex and require multiple elements to be taken in consideration.

First, assess **budget and duration** of your project. For example, if your project is expected to last more than one year with a maximum budget of 5,000.00 \$US, IP camera-based solutions are likely to be your only (pro.) option.

The second element to take in consideration is **image quality**. If you are looking for high quality and plan to create a dynamic videos with zoom/pan effects, you need a very high definition capture device (ideally 12 megapixels or over).

You can deploy a 12+ megapixels project using DSLR or IP camera technologies. To decide between the two you need to assess those solutions in regards to your project and its duration.

A **DSLR camera**, has a lower life expectancy than an IP camera, between 50 000 and 300 000 pictures depending of the model. If your project is long enough you might have to

replace/service the camera at some point. It usually represent a fraction of the total project cost.

An **IP camera** has no moving parts and a higher life expectancy. Image quality is expected to be slightly lower at equal resolution compared to a DSLR, especially in challenging situations such as dawn & night. High definition IP cameras (over 12MP) are expensive, you can easily buy a couple of DSLR cameras for the price of a single high-end IP Camera.

Your solution provider will give you with all key elements, including pricing, and assist you in the decision process. You will need to take in consideration aspects such as ease of access to the camera (is renting a crane necessary ?), angle of view, capture rate ...

Our approach

To provide you with the best possible experience, we are not tied to a specific manufacturer nor technology. We provide identical services, at similar costs, whether we implement a DSLR or IP camera solution.



2/ Photography is also about art

Artistic aspect of the project should not be underestimated.

A timelapse project is not only a sequence of pictures assembled into a video at the end of a project, it's also a very good opportunity to promote your business, impress your customers, and most of all, create a legacy.

Material created during the project can be re-used in a few years time, integrated in a new marketing campaign or simply used to emphasize on business excellence consistency.

To make this possible you need to future-proof your project,

both technically (very high definition is a good starting point) and artistically.

Our approach

We carefully select professional photographers we work with. Ideally a professional photographers should be located in the same area than the project site and have successful experience in similar projects.



3/ A state of the art timelapse video

We never emphasize enough, creating a nice timelapse video takes much more than just inserting a list of pictures next to each other in a video.

It is widely accepted that a video, taken from the same point of view, start to become boring after 7 seconds. The easiest way to avoid this is to insert movement such as zoom or pan into your video. But to achieve this, your capture resolution must be high enough (12MP minimum, from 18MP is better).

Another option, to be used in conjunction with zoom/pan, is to insert dynamic elements into your video. For example, you could insert the height of your building moving up while your building is getting bigger. The person in charge of post-processing will be careful not to overload the video with too many elements.

Finally, to achieve an outstanding result and a state of the art timelapse video, you can mix content taken from one (or many) static point of view with additional sequences taken on-site. To capture those sequences, a photographer would come on-site a few times during the project's lifetime when interesting events are likely to happen.

About us

Since 2007, Eurotechnia has been providing consulting services to industry leaders in multiple business sectors.

In 2009, Eurotechnia created, with Infracom, Webcampak, an automated picture monitoring solution for construction monitoring and timelapse videos.

In 2012, Eurotechnia Ltd. opened for business in Toronto, Canada.

