

INTERVALOMETER

Traditional intervalometer (Video)

Suppose an event duration of 10 hours (36000 seconds) to be reduced to 36" in length, the lapse of time between captures is 1000 seconds (16.7 minutes).

This causes a loss of relevant information, so that when viewing the scene there are jumps that destroy the appearance of continuity.

Each of the 36 "x 25 = 900 frames containing 1 / 25 second of real information. The images are recorded on tapes and they are transferred into an editing machine for their capture and later assembly.

Kronomav's Intervalometer

The system takes all the information between captures and compresses it to a single frame.

In the above example, each frame contains 1000 seconds of real information. Capturing images at up to 25 frames per second.

Each captures simulates a display of a photographic camera of 1000 seconds.

There is no "jumping" of the images, avoiding eyestrain.

The system has a designed software that performs as:

- DVCAM quality (720x576)
- Temporary correction of colour
- Reduction of noise in captured images
- Image improvement and stabilization
- Eliminates postproduction in the editing room
- It obtains high quality in low luminosity conditions
- Assembly in real time
- The user chooses the compression codec
- It sends the final video to a web server, allowing users to download it simultaneously
- Remote configuration of the system in real time
- Suitable for short and long scenes (clouds, construction, etc)

Kronomav Intervalometer HD

Unlike the previous system, the capture is not done with a video camera but with a high resolution digital camera (8-10-12 Mega pixel).

Capturing images at the maximum speed that the camera allows.

In video we have 25 frames per second but here, we will only have one picture every 5 seconds or so.

Before a frame was formed buy 1000" x25 = 25000 captures, now we will have 1000 / 5 = 200 captures.

Software with similar benefits as the previous one.

- Quality improvement, we now have high definition frames (at least 3264x2448)
- Possibility of virtual movements pan / tilt on the resulting frame
- Lower cost, with a digital camera we will get a scene with the same resolution that would require 19 conventional video cameras.
- Valid for takes of a long period of time (several hours minimum)

Kronomav Intervalometer PAN/TILT

Identical characteristics as the DVCAM intervalometer, plus:

- It includes a head Pan / Tilt / Zoom that also allows to make a move in space
- Intervalometer with Motion
- The system also allows capturing Pan / Tilt movements in real time without having to mount intervalometers
- Completely remote system
- Once the video has been created, it is sent to the server so that the user can download it