Rospo Eco-6.

Rospo **Eco-6** is a digital system that produces sounds generated by moving images in real time. **Eco**= from greek: οἰκος, *oikos*= environment; **6**= is the number of areas that analyze the image and produce 6 different sounds.

Eco-6 is a tool able to enrich and refine the visual perception of space.
This happens through a visual exercise of environmental analysis, in search of compositions and rithms that ever-changing reality continuously offer to the "inattentive" eye.
This reality can be either spontaneous (e.g. an urban environment) or purposely designed (scenography/choreography).

The sound.
Sound is created by the variety of physical changes in the shot pictures. These changes are shot by a camcorder and then circumscribed on video into 6 areas (each subdivided into 16 parts), able to track movements uniformity and translate it into 6 sounding signals with 6x16 different characteristics.
Sound can be generated in two ways:
- virtual oscillation
- real time audio sampling

The sounding signals coming out can be managed by a *midi sequencer*(a tool that allows to create and reproduce sequences of control signals to command an electronic device) or directly sent by movements.

The picture.
What is shown by **Eco-6** is nothing else than moving reality, divided into 6x16 parts.
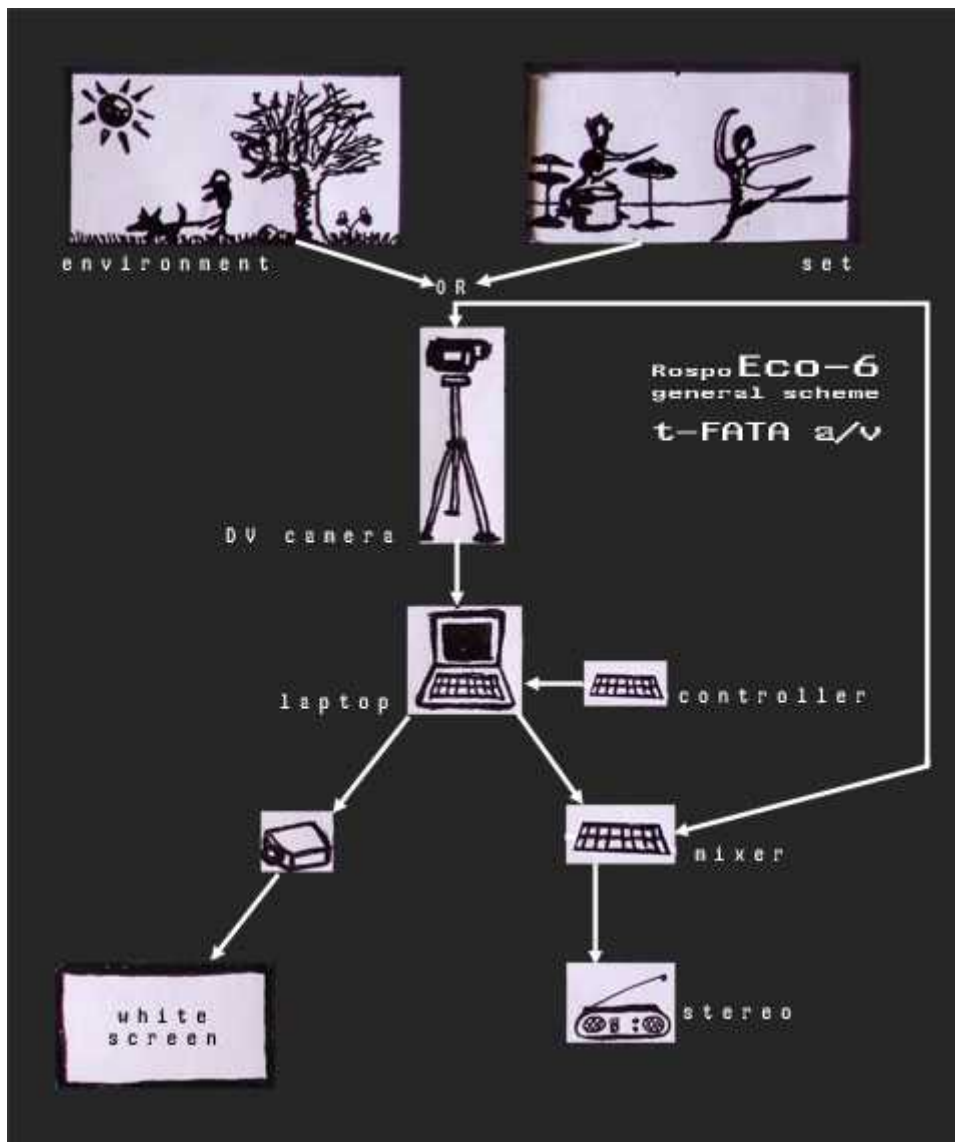When there are no physical changes no part of the picture is shown.

Technical specifications for an Eco-6 module:
Hardware:
-1 DV Camcorder + tripod
-1 microphone
-1 laptop
-1 projector
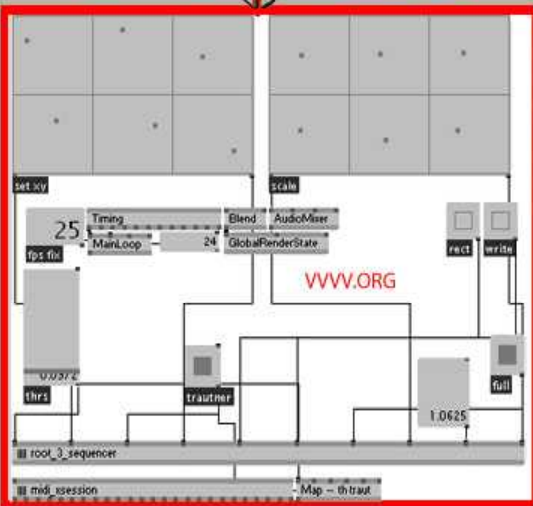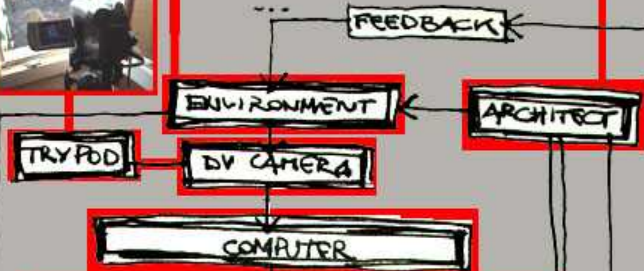-1 audio mixer
-1 audio amplifier system
Software:
-vvvv
-plogue

Technical requests:

-1 projection surface of at least 3,2 x 2,4 meters

-good illumination in the areas to be shot. As an alternative, previously recorded videos (mini-DV tapes) can be used.

-possibly a projector

Rospo Eco-6 is a t-FATA project.

http://t-fata.blogspot.com

FEEDBACK

ENVIRONMENT

ARCHITECT

TRYPOD

DV CAMERA

COMPUTER

VVVV.ORG

LAYOUT MANAGEMENT
OF 6 AREAS DETECTING
UNIFORM MOVEMENTS
IN THE ENVIRONMENT

READING MOVEMENT
INFORMATIONS THROUGH
6 X 16 AREAS

MIDI TRANSLATING OF
16×6 = 96 VARIABLES

6 SEQUENCERS WITH
16 FREQUENCY FADERS
EACH

BPM
LOOP

6 VIRTUAL INSTRUMENTS

TYPE

PLOGUE.COM

AUDIO OUT

MIXER

STEREO SYSTEM

ROSPO ECO-6
28 06 09

REVEALING
AREAS OF
THE ENVIRONMENT
THAT ARE
CHANGING

VIDEO OUT

PROJECTOR