

HOW VIDEO SURVEILLANCE

helps fight against littering and
illegal dumping

ANTI- LITTERING ANTI- DUMPING

Video Surveillance System

LEARN MORE AT
XEOMA.COM
support@felenasoft.com

VIDEO SURVEILLANCE

can help you fight against garbage issues



HIGH-RISE LITTERING

disposing of personal garbage in unauthorized way, frequently from apartments windows.

Poses danger to health, property and environment



ILLEGAL DUMPING

Disposing of litter (frequently production or personal waste) in places not equipped for that

Damages environment, attracts vermins, pests

RAISE AWARENESS

The problem of garbage is extremely acute in countries and areas with dense population. To raise awareness and facilitate responsibility for illegal dumping or littering, special environment protection regulation are issued



VIDEO SURVEILLANCE TO HELP

Installation of video surveillance systems in places of frequent littering or dumping can aid in capturing 100% of incidents on tape.

The video evidence can be used for forensic purposes in prosecution of offenders.

Such video surveillance system can quickly pay off off fines that it helps to impose.

KILLER LITTER

HIGH-RISE LITTERING CAN KILL,
QUITE LITERALLY



HEALTH DAMAGE

Garbage thrown from a high rise apartment accelerates. Even a small bag from high above can kill, cause health or property damage



INDIRECT DAMAGE

Sudden loud noise nearby can cause death of shock in elderly people. It can disorient people and thus cause damage



DANGER OF FIRE

Cigarette butts can land in apartments below and cause fire

HOW VIDEO SURVEILLANCE CAN HELP

- *Post-incident investigation:* Security camera systems will provide evidence for prosecution of violators.
- *Deterring:* danger of punishment discourages citizens to commit littering
- *Automated detection:* artificial intelligence can learn from repeated events. **Contact us** to request development of a system to automatically detect littering

HIGH-RISE LITTERING REPERCUSSIONS

- Fines
- Community work
- Jail term



ILLEGAL DUMPING

IS AN ACT OF UNLAWFUL DISPOSING OF LITTER IN PROHIBITED AREAS.

VIOLATORS CAN BE PROSECUTED WITH A FINE, COMMUNITY WORK OR EVEN A JAIL TERM.



Xeoma video surveillance is mobile. Standalone self-sustaining systems can reach up even far-off areas like fields, farms, beach coasts.

Dynamic notifications about suspicious activity, work in challenging environment, affordable cost.

Learn more at:
www.xeoma.com

Contact us at:
support@felenasoft.com

1 - MOTION DETECTION

MOTION DETECTOR IS ABLE TO DETECT AND REACT TO ANY EVENT OF MOVEMENT IN THE SELECTED AREA OR AREAS.

VARIOUS FINE-TUNING OPTIONS ARE AVAILABLE



STEP 1. ADD MODULE TO THE CAMERA CHAIN

All modules Samples Devices Filters Destinations

High-rise building

Universal Camera Microphone Screen Capture File Reading Another Xeoma FTP Receiver HTTP receiver

STEP 2. CONFIGURE

Motion Detector Enabled Not skipping

[Open group settings](#)

Filtered out due to sensitivity settings

Continuous operation to enable search in the archive.

Postrecord 1 sec.

Disregard motion shorter than 500 ms.

Sensitivity threshold: 50

Current level: 0

Detection method **Compare adjacent frames (frame differences)**

The monitored area is denoted with red color. Using a brush you can change the default zone.

Minimum size of object:

Maximum size of object:

Disregard motion shorter than

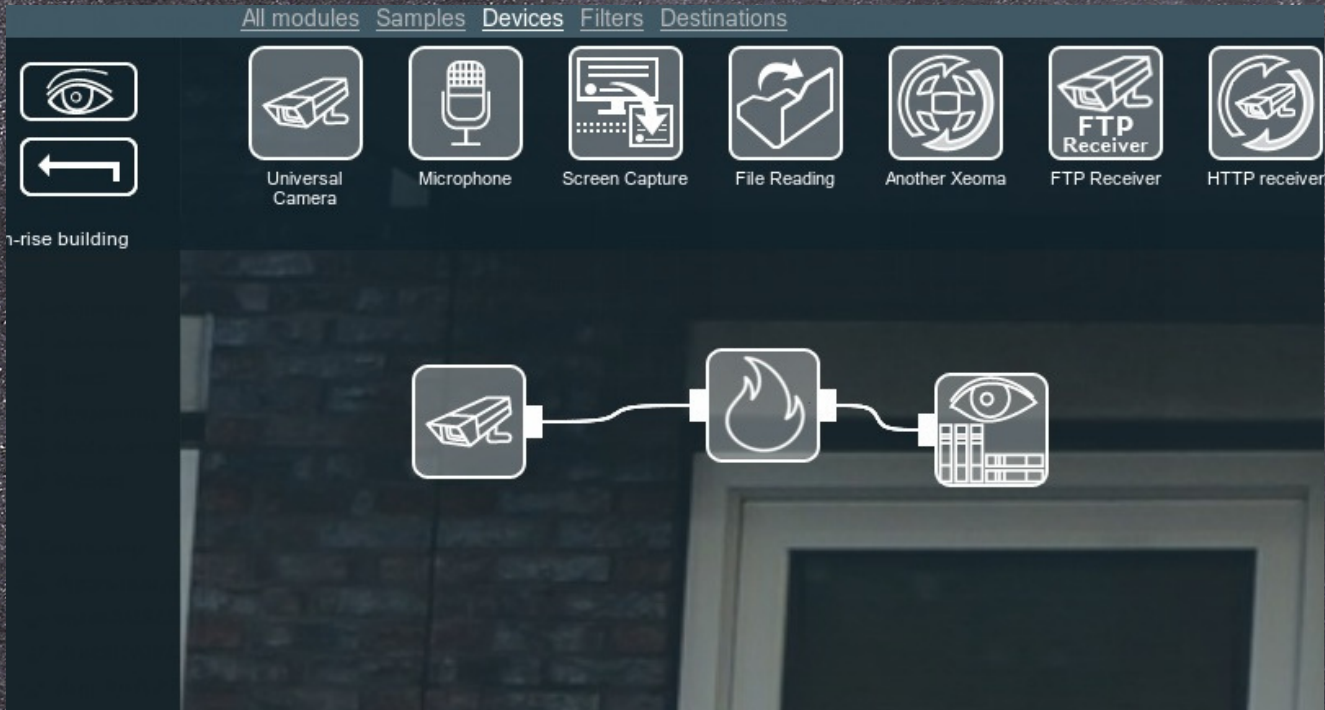
500 ms.

2 -SMOKE DETECTION



XEOMA'S SMOKE DETECTOR CAN DETECT
SMOKE AND FIRE SO IT CAN BE USED TO TRACK
IF A PERSON IS SMOKING IN A PROHIBITED
AREA




STEP 1. ADD MODULE TO THE CAMERA CHAIN




STEP 2. CONFIGURE


 **Smoke detector** Enabled  **Not skipping**

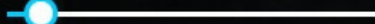
Continuous work.


Sensitivity threshold  50

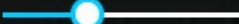
Ignore motion shorter than:  0 sec.

The monitored area is denoted with red color. Using a brush you can change the default zone.

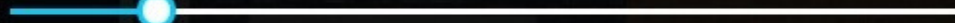


Minimum size of object: 

Maximum size of object: 

Brush size:  [Unmark all](#)

Mode: Auto Mark Unmark

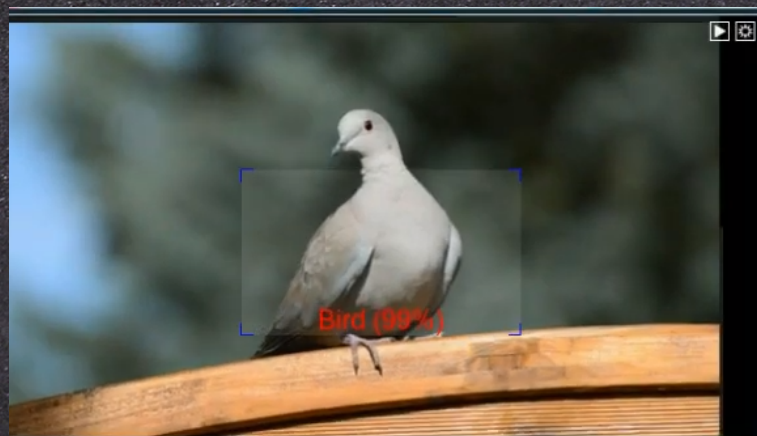
Disregard motion shorter than  500 ms.

NOTE: CLOSE-UP MIGHT BE REQUIRED FOR HIGHER ACCURACY

3 - OBJECT RECOGNITION

XEOMA'S OBJECT RECOGNITION CAN RECOGNIZE 14 TYPES OF OBJECTS FROM BOATS TO DRONES. MORE ARE ADDED REGULARLY.

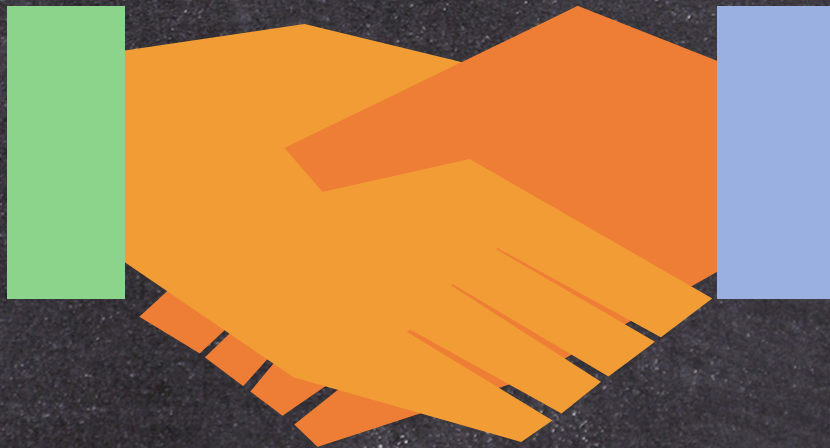
UPON REQUEST, CERTAIN OBJECT TYPES CAN BE ADDED - CIGARETTES, PLASTIC BAGS



ADVANTAGE OF SUCH CUSTOM ADDITION IS THAT IT WILL BE OPTIMIZED FOR THE CURRENT CAMERA SIGHT BASED ON VIDEOS FROM THAT CAMERA

4 - CUSTOM MODULE

FELENASOFT CAN ADD A SEPARATE MODULE IN XEOMA THAT CAN TRACK **MORE** THAN JUST SEPARATE TYPES OF OBJECTS. IT CAN MONITOR THE ACT OF THROWING, THE SEQUENCE OF ACTIONS, ETC. - WHATEVER REQUIRED TO DETECT LITTERING IN HIGH-RISE IN **YOUR** SCENARIO.



ADVANTAGE OF SUCH CUSTOM ADDITION IS THAT IT WILL BE OPTIMIZED FOR THE SCENERY AND PECULIARITIES OF YOUR INSTALLATION BASED ON VIDEOS FROM YOUR CAMERAS

CONTACT US TODAY WITH DETAILS FOR A QUOTE



XEOMA

VIDEO SURVEILLANCE
SOFTWARE

ANTI-DUMPING
ANTI-LITTERING

SOLUTION OF THE NEW GENERATION

LEARN MORE AT XEOMA.COM