AI-based Birds Recognition

IN XEOMA
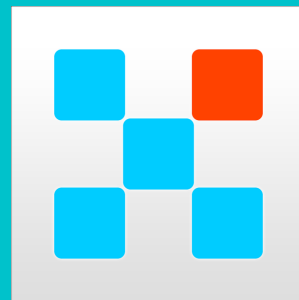
How birds impact crops

AND POSSIBLE SOLUTIONS

WHY BIRDS CAN CAUSE DAMAGE TO FARMERS?

Birds play crucial role in pollination, control the population of insects and rodents, and are important elements of natural systems in general. Yet birds could also cause serious decrease in crop yields by damaging and destroying them.

WHAT BIRDS ARE DANGEROUS TO CROPS?

Sparrows, finches, robins, crows, jays, cranes, geese, and other species of birds may cause agricultural or horticultural damage by feeding on cereals, fruit and other crops.

TECHNOLOGY SOLUTIONS

Various bird scaring measures can be used to discourage birds from landing and feeding in agricultural fields: gas guns, pyrotechnics, bio-acoustics (sounds of biological relevance such as recorded distress calls) and other acoustics (such as high frequency noise). Scare cannon guns, for example, produce a loud sonic boom sound to scare away birds, pigs, monkeys and other animals that can harm crops. All these measures can be used in **Xeoma Video Surveillance Software** with the help of AI-based module - **"Object Recognizer"**, that is capable to detect a bird and to trigger the protective system, email or SMS notifications, alarm, etc.
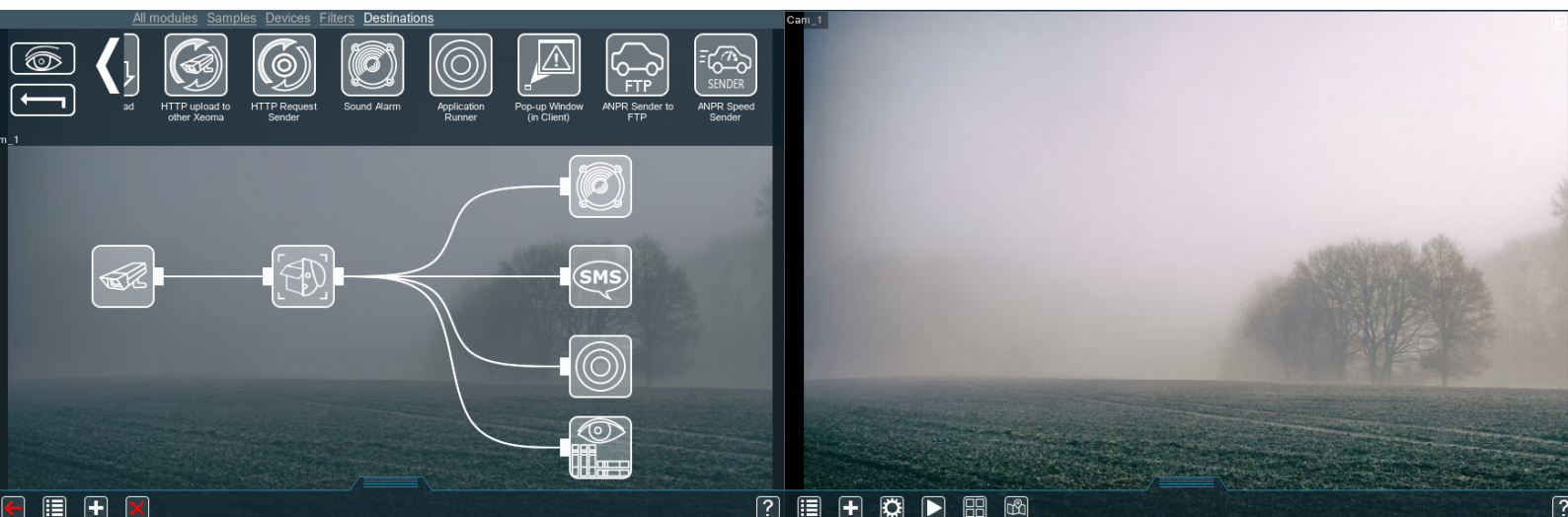
Bird Recognition in Xeoma

ARTIFICIAL INTELLIGENCE MODULE

Bird (99%)

16:02:24

Bird (99%)
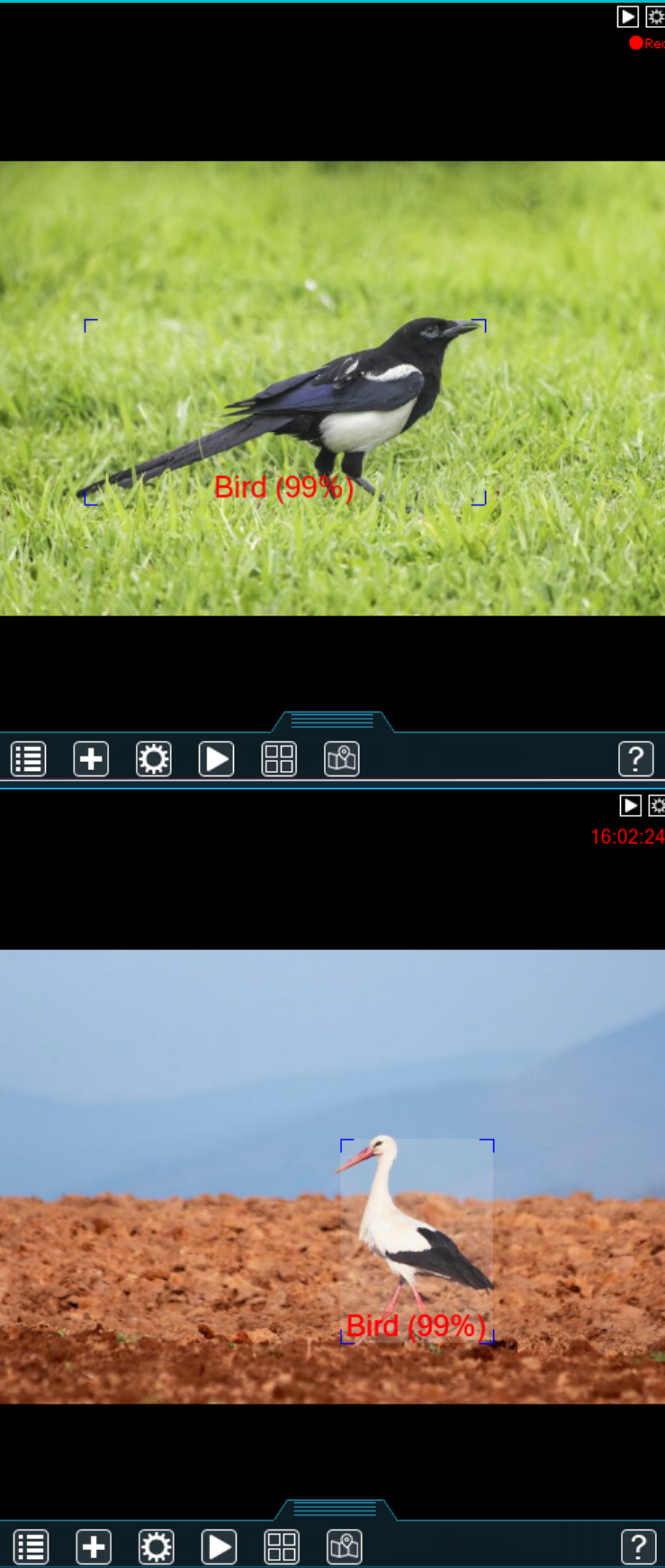
AI AND NEURAL NETWORKS

Intellectual module «Object recognizer» in Xeoma is capable of recognizing necessary object types in camera's field of view. Birds, animals, boats, buses, cars, motorcycles, humans and others.

BIRD RECOGNITION

"Bird Recognition" is an optional Xeoma feature based on Artificial Intelligence and neural networks. This detector enables use of the "Birds" option in the "Object Recognizer" module that can detect any type of birds in the camera image and notify a farm owner/turn on the sound alarm/trigger a scaring device with the help of other modules in Xeoma.

WHY XEOMA'S BIRD RECOGNITION IS BETTER?

- High accuracy level and quick reaction
- No special equipment required. Just your regular camera.
- Affordable prices
- Ease of use. Very flexible and simple settings
- Saves bandwidth: All done on your machine, no need to connect to any cloud servers.

Pricing

OBJECT RECOGNIZER IN XEOMA

OBJECT RECOGNITION MODULE* $299.95 USD
FOR 1 CAMERA

XEOMA STANDARD LICENSE* $24.95 USD
FOR 1 CAMERA

JUST $324.9 USD TO START DETECTING BIRDS AND ANIMALS RIGHT AWAY!

*PERPETUAL LICENSE

More AI-based features in Xeoma

LICENSE PLATE RECOGNITION, FACE RECOGNITION, SENSTAR PTZ TRACKING AND MORE

LICENSE PLATE RECOGNITION

The License plate recognition module (also called ANPR) is available in Xeoma. The system includes algorithms of actions allowing to recognize a license plate of an approaching vehicle by analyzing the video from the cameras.

FACE RECOGNITION

This module is meant for detection of human faces in the cameras' field of view. It can be used to detect excessive presence of people where they are not supposed to be or, in reverse, detect if there are insufficient staff.

SENSTAR PTZ TRACKING

Allows to combine your video surveillance system with a security system with Senstar sensors, and automatically turn the camera into the alarm zone. Upon receiving an alarm from the processed alarm list, the camera will automatically turn to the selected zone, and recording to archive or any other destination will be engaged. Xeoma supports FlexZone, OmniTrax, UltraWave and other.

DETECTOR OF CONSTRUCTION SITE SAFETY

This module based on artificial intelligence detects safety gear elements in people in the camera image: safety helmets and/or work robe.

Fields of application

FARMS AND FACTORIES

- Birds and animals detection to protect the fields and equipment

- ANPR module for higher level of parking operation and ticketless entrance/exit

- Face recognition to keep track of where critical workers are, to automize workers' checking in and checking out

- Senstar PTZ Tracking to make sure cameras are capturing what's going on in the alarm zone

- Detector of Constructions Site Safety to ensure workers safety

FOR MORE INFORMATION PLEASE VISIT
WWW.XEOMA.COM