



# FoxBox

## All-inclusive video analysis for perimeter protection

The FoxBox, the latest of Foxstream's intrusion detection range, combines multiple benefits as it is a recorder, data-storage & data-transmitter all-in-one, while keeping the analytical power of the server-based solution. The purpose of this packaged, ready-to-use solution is to make accessible the latest technological advances in the field of intelligent video analysis to everyone.

The FoxBox consists in an "all-in-one" solution. It combines both hardware and software: the hardware required for the video stream acquisition, recording, feedback of events, etc., with the outdoor intrusion detection analytics software, including tools used to review and broadcast recordings and events. **And always, the guarantee of a reliable solution and a very low false alarm rate.**

The use and ergonomics of the system have been designed to provide users with a Plug'n Play solution. A simple web browser is all that is needed to access the FoxBox's web interface to set parameters, display, event log consultation and video playback. The default configuration provides users with an active and functional system **simply by connecting the cameras to the FoxBox**. Alarms may be transmitted in parallel via the network and/or via On/Off outputs.

Based on the same software as the FoxVigi server-based suite, the FoxBox's video analysis is the result of close collaboration with CNRS imaging laboratories and numerous field experiences.

It is meant to provide users with a reliable solution, and an extremely low rate of false alarms. It includes the same steps as the FoxVigi application:

- **Detection** of all moving objects in the camera's field of view.
- **Classification & Filtering** (real vs oversized and immaterial objects: shadows on the ground, reflections, etc.)
- **Alarm feedbacks** to operator

## Site protection by video doubt removal

The FoxBox is a perfect solution for sites and multi-site companies with centralised surveillance, as well as for small and medium sized sites without existing surveillance, since it includes all the logistics required to forward events to any Monitoring station.

The FoxBox offers the availability of video sequences on a ftp and remains compatible with the ESI software suite (V1), **for an immediate video doubt removal**.

It also allows the site manager, or any authorised person, **to consult remotely** the live, the event logs and recordings, simply and intuitively using an Internet browser (IE, FireFox, Chrome...).

**The operator can thus take action and call for law enforcement**, as the video clip of the alarm sent by the FoxBox is a tangible proof, according to the article L613-6 of the Internal Security Code (in France - for other countries, different laws may apply).

## Technical Description

VIDEO	
Acquisition	Hybrid: analog or IP (H264 / MPEG4 RTSP)
Number of video channels	4
Format of video input	NTSC (720 x 480) / Pal (720 x 576)
Resolution of acquisition	D1
Frequency of acquisition	From 1 to 25 im/s (PAL) or 30 im/s (NTSC) per camera
Cameras	Day/Night, Color, Thermal
Compression format	H264 / MPEG4
Video output	JPEG images – XML Foxstream Protocol
RECORDING	
Analog video recording format	D1 with 25 or 30 im/s
Bit rate per IP camera	240 kbit/s
Type of recording	24/7 (with alarm index)
Storage duration	Up to 30 days
INTERFACE	
Ethernet network interface	Interface RJ45 100BT
Digital Inputs / Outputs	5 inputs / 5 outputs
Video connector	4 x BNC
PHYSICAL CHARACTERISTICS	
Dimensions (mm)	280 x 195 x 45 (L x W x H)
Power supply	12 V
Consumption	26 W (Fanless)
Operating temperature	0° to 50°C
Certification	CE, Europe RoHs
WIFI interface (optional)	Wifi USB key (802.11 N) – throughput 150 Mbps.



### In a nutshell

- **Packaged solution**  
Dedicated hardware & appropriate software
- **"All-in-one" solution**
  - acquisition
  - analysis
  - storage
  - forwarding
- **Plug'n Play Solution**  
intuitive interface, default configuration
- **Scalable solution**  
analog & IP
- **Alarm transmission**  
available via the network or via digital outputs

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