

SecuritySpy

Video Surveillance Software for macOS

Version 5



Specifications, features and benefits
June 2019

SUMMARY

SecuritySpy is a professional video surveillance application (NVR/CCTV software) for macOS. Its powerful features, combined with the stability and security of macOS, provides an excellent solution for the most demanding video surveillance needs. SecuritySpy has been the market-leading macOS CCTV software for over a decade, with diverse customers from home users and small businesses to multinational corporations.

BENEFITS

Stability and Security

SecuritySpy runs on macOS, an extremely stable and secure operating system. SecuritySpy supports strong TLS encryption for all network connections, with insecure cyphers disabled by default. The HTTPS web interface automatically obtains an official certificate from Let's Encrypt (an open certificate authority).

Comprehensive Camera Support

Virtually all IP cameras on the market are supported, including all ONVIF-compliant cameras.

Flexible Recording Features

A variety of recording options for movies and still images are available, such as motion-detection, continuous and timelapse. Recording can be scheduled for specific times of the day or week.

Native iPhone, iPad and Apple TV apps

iOS and tvOS apps provide a seamless viewing experience across all Apple devices.

AI-Powered Motion Detection

SecuritySpy uses deep neural networks to provide excellent motion detection and object classification accuracy. Other supported motion triggers include PIR sensors, audio detection and camera input ports. All processing is done locally on the Mac running SecuritySpy, for privacy and high performance.

Remote Access

The built-in secure web interface provides remote viewing and administration via web browsers on all major platforms, including Mac, Windows, iOS and Android.

Cloud Storage

SecuritySpy can duplicate its captured video footage offsite for backup purposes, either using FTP upload or a cloud service such as Dropbox or Google Drive.

Motion-Triggered Notifications

Send emails, play sounds, run scripts, and send Apple Push Notifications to an iOS device.

Synchronised Multi-Camera Playback

The Browser feature allows playback of recorded footage from multiple cameras. It also provides features to easily bookmark, tag, export and manage large numbers of captured files.

PERFORMANCE

The number of cameras that can be used on a particular Mac depends on the resolution, frame rate and encoding format of the cameras, the Mac's processing power, and the recording settings.

Below are some guideline specifications for various Macs, assuming cameras with 2 MP resolution (1080p), 10fps frame rate, and H.264 video format. The maximum number of cameras scales linearly with resolution and frame rate, so for example if you are using 1 MP cameras you should double these numbers; if you are using 4 MP cameras you should halve them. The quoted storage assumes that motion-capture is in use (so that cameras are not recording continuously), and footage will be kept for approximately 4 weeks.

Example 1: Mac mini (Late 2018) 4-core 3.6 GHz

Maximum number of 2 MP cameras at 10fps: 40
Storage space required for 40 cameras: 3 TB



Example 2: Mac mini (Late 2018) 6-core 3.0 GHz

Maximum number of 2 MP cameras at 10fps: 44
Storage space required for 44 cameras: 3.4 TB

Example 3: iMac (Early 2019) 6-core 3.0 GHz

Maximum number of 2 MP cameras at 10fps: 46
Storage space required for 46 cameras: 3.5 TB



Example 4: iMac (Early 2019) 8-core 3.6 GHz

Maximum number of 2 MP cameras at 10fps: 66
Storage space required for 66 cameras: 5 TB

For further information, please consult the [SecuritySpy System Requirements Calculator](#)

COST

The software license cost is a one-time fee that covers one Mac running SecuritySpy, based on the number of cameras used, as shown in this table:

Description	Price
SecuritySpy software license - 1 camera	GBP £ 29.90
SecuritySpy software license - 4 cameras	GBP £ 74.75
SecuritySpy software license - 8 cameras	GBP £ 149.50
SecuritySpy software license - 16 cameras	GBP £ 299.00
SecuritySpy software license - 32 cameras	GBP £ 499.00
SecuritySpy software license - unlimited cameras	GBP £ 649.00

TECHNICAL SPECIFICATIONS

Media Streaming Protocols

HTTP, HTTPS, RTSP, RTP, RTCP, TCP, UDP, ONVIF, IPv4, IPv6

Video Codecs

JPEG, MPEG-4, H.264, H.265 (HEVC), MxPEG

Audio Codecs

G.711, G.723, G.726, PCM, AMR, AAC

Video Resolution and Frame Rate

Up to 8.3 MP (4K) per camera (depending on camera capabilities and computer processing power)
Up to 60fps per camera (depending on camera capabilities and computer processing power)

Pan, Tilt, Zoom Support

In-software joystick control of camera PTZ including 8 preset positions

Web Server

Protocols: HTTP, HTTPS, RTSP, HTTP Live Streaming, SSL/TLS, TCP, IPv4, IPv6, Bonjour
One-click HTTPS setup with automatic certificate generation via Let's Encrypt
One-click Dynamic DNS setup (example.viewcam.me)
NAT-PMP and UPnP for automatic router port forwarding
Unlimited users and simultaneous streams (depending on computer processing power)

Recording Format

MP4 (.m4v) when using H.264 / H.265 / AAC codecs, otherwise QuickTime Movie (.mov)

AI-Powered Motion detection

Pixel-based motion detection with the ability to define detection zones
AI-based object detection using the ResNet-50 deep neural network running via CoreML (>95% accurate)

Triggering Recording

Motion detection, HTTP message, AppleScript, audio level detection

Video Playback

Browser feature for synchronised multi-camera playback; web interface; iOS and tvOS app

System Requirements

Any Mac running macOS 10.13 "High Sierra" or later. More info: [System Requirements Calculator](#)

IP Camera Manufacturer Support

3S, ACTi, Airlive, Amcrest, Arecont Vision, Avigilon, Aviosys, Axis, Basler, Bosch, Canon, D-Link, Dahua Technology, Digitus, FlexWATCH, Foscam, Grandstream, Hikvision, iFlash, IPS, IQinVision, JVC, LevelOne, Logitech, Lorex, Marmitek, Merit LILIN, Mobotix, ONVIF, Panasonic, Pelco, Pixord, Planet, Q-See, Samsung, Sanyo, Sharx, Siselectron, SnapAV (Wirepath), Sony, StarDot, Sunba, Swann, Tervis, Toshiba, TP-LINK, TRENDnet, Ubiquiti, Vivotek, Zavio.
