

# ENCRYPTING VIDEO WITH SMARTCRYPT

Advances in video technology have made it cheaper and easier than ever before for organizations to record their activities. Surveillance video is being generated globally at a rate of more than 2,000 petabytes a day, in addition to millions of videos of internal meetings, product demonstrations, and other activities.

The ease of creating video has created a new set of challenges. Nearly all of the video created by corporations and government agencies requires protection, as it provides insight into security practices, product development, business plans, or other sensitive aspects of company operations.

PKWARE's Smartcrypt provides an automated workflow for detecting and protecting video content as soon as it appears on a server or user device. Video files can be tagged and encrypted with no manual intervention, ensuring that only authorized users can access the files.

Smartcrypt also includes a software development kit that allows organizations to build AES-256 encryption into existing applications with only a few new lines of code.

## AUTOMATICALLY IDENTIFY AND PROTECT VIDEO CONTENT

Smartcrypt combines data discovery, classification, and protection in a single automated process, allowing organizations to maintain complete control over their video files.

As soon as a file is added or modified on a server or user device, Smartcrypt checks to see if the file requires protection based on the organization's policy. If a file meets the policy criteria (for example, based on file type or meta tags), Smartcrypt applies persistent encryption using a predefined key. Only authorized users can decrypt and access an encrypted video file, even if the file is copied to the cloud or moved to a different location.

## BUILD ENCRYPTION INTO EXISTING APPLICATIONS

Smartcrypt Application Encryption, PKWARE's software development kit, is available in most common programming languages. With only a few additional lines of code, organizations can build strong encryption into applications that capture or process video files.

Smartcrypt's efficient encryption and decryption processing keeps data secure without disrupting existing workflows. In fact, Smartcrypt customers have used the software development kit to add AES-256 encryption to their applications while supporting nine or more simultaneous playback sessions without performance degradation.

### PROTECT VIDEO CONTENT IN ANY FORMAT

Smartcrypt supports hundreds of file types, including all of the common media file formats listed below.

<u>File Type</u>	<u>Mime Type</u>
mp3	audio/mpeg
aif	audio/x-aiff
m3u	audio/scpls
m4a	audio/mp4
mp4	video/mp4
wav	audio/x-wav
wma	video/x-ms-asf
avi	video/x-msvideo
mov	video/quicktime

[www.PKWARE.com](http://www.PKWARE.com)

PKWARE provides a data-centric audit and protection platform that automates policy-driven discovery, classification, and encryption wherever sensitive data is used, shared, or stored.

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