

PK Protect

Solution Overview: Video Encryption

Nearly all videos created by corporations and government agencies require protection, as they provide insight into business plans, security practices, product development, or other sensitive aspects of company operations.

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.

PKWARE's PK Protect 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.

PK Protect 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.

PK Protect Suite



PK discovery



PK classification



PK masking



PK encryption



PK privacy

Automatically Identify and Protect Video Content

PK Protect 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, PK Protect 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), PK Protect 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

PK Protect 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.

PK Protect's efficient encryption and decryption processing keeps data secure without disrupting existing workflows. In fact, PK Protect 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

PK Protect supports hundreds of file types, including all of the common media file formats listed in the table.

File Type	Mime Type
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

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