



ARTINII SECURITY & TECHNOLOGY



From security point of view our distribution system is at the same level as DCP format, but with substantially lower data requirements, which allows us to distribute a high number of films to high number of places around the world in a short time.

FILM UPLOAD & STORAGE



In fact, the last unsecured point is at the person who uploads the file to our system. Once the film reaches our server it becomes inaccessible. The film is uploaded through a specific web interface with its own proxy storage. There is always just one film in a single storage space. The film is moved to a non-public storage immediately after the uploading process is completed. The non-public storage does not have any public IP address and does not accept any external requests or queries.

FILM ORDER, WATERMARKING AND ENCRYPTION



When an order for screening or screener is placed, the system creates a new, watermarked copy of the film.

We add at least 2 video and 2 audio (invisible/inaudible) watermarks to the film and safely encrypt it by a private key. Key as well as watermarks are copy-specific. (user and screening place).

The film is transferred to a proxy storage only after full watermarking and encryption is completed. Our proprietary Player starts to download the film after that.

The film is removed from the proxy storage after successful download. After that, our Player requests the license information and decryption key from our license server.

PROPRIETARY ARTINII CINEMA PLAYER

Our proprietary player ensures the film is kept in a safe format throughout the initiation, duration and after screening.

The film is decrypted On-the-fly. There is never a decrypted version of the film on the disk or anywhere in a public storage.

Our player always ensures the computer is not running a software allowing screen grabbing. It also allows user to screen the film when it is offline – up to 14 days after last internet connection. In the meantime, we closely monitor all attempts at modification of system date/time. If the Player is not connected to internet for 14 days it blocks all downloaded films and licenses until next internet connection is detected.

One license is subtracted from the total number of purchased licenses every time when you screen over 60% of the film. Our license server is notified about that.



UNALTERABLE FILM SCREENING INFORMATION

Unalterable information about every screening is saved into the Blockchain (Mytitle.com) for easy proof and independent report of screenings.



SUMMARY

Our distribution system uses the highest security levels during the entire process. When stored, the film cannot be accessed from the internet. When transferring the film, it is encrypted so that it cannot be copied to a PC in any standard format (AVI, mp4, etc.) or played using any other player than ours. Moreover, each screened film is stamped with numerous watermarks which in the event of a leak can most accurately identify the perpetrator.



REQUIRED FORMAT FOR UPLOAD TO OUR SYSTEM IS ONE VIDEO CONTAINER CONTAINING:

VIDEO:

Full HD, 2K or 4K
MP4, AVI, MOV
Lossless or using common codecs

AUDIO:

Stereo 2.0 or 5.1 surround sound AC3 codec
5.1 channel order L, R, C, LFE, LS, RS
All channels are encoded in one audio stream.
Multiple audio streams (for multiple languages) are supported.