swissbit®

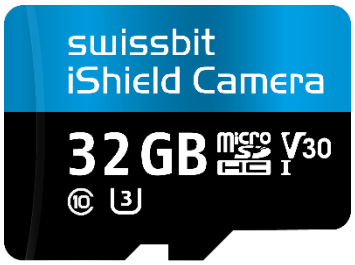
Secure Video and Photo Recording Made Easy

Reliable Encryption and Access Protection of Video and Photo Data

The microSD card Swissbit iShield Camera is a simple and retrofittable security solution especially for the encryption and access protection of video and photo recordings.

It is host-independent, i.e. plug-and-play, and can be used with a large number of camera types. The solution also includes the "iShield Camera Card Tool" (iCCT) software.

iShield Camera



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Your Benefits

- Pluggable: Ideal for retrofitting existing systems
- Easy-to-use: Plug-and-play card for video recording systems without host modification
- Cost efficient: Integration of security solution without installation effort

Key Facts

- microSD card: 16GB & 32GB
- Compatible to common video recording systems
- Loop recording mode
- Provided with user-friendly "Swissbit iShield Camera Card" tool

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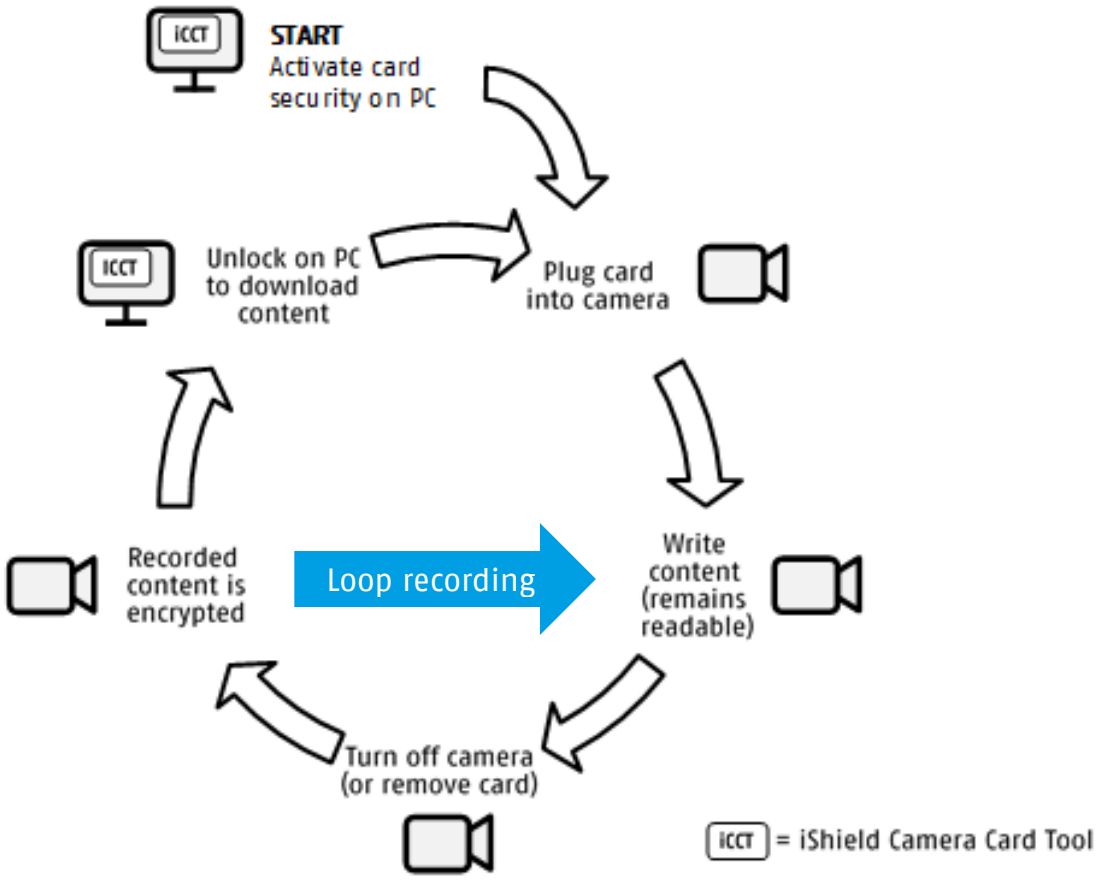
Thanks to the plug-and-play approach, iShield Camera can be easily integrated into existing systems. This allows manufacturers and users of drones, body cameras or dash cams to add an additional security feature to their models, specifically preventing unauthorized access to sensitive camera data or ensuring compliance with legal requirements. In addition to AES 256-bit encryption and PIN user authentication, iShield Camera features full HD video support and industrial-grade temperature resistance.

As soon as the camera is switched off or the microSD card is removed, the AES-256-bit-encrypted data content can no longer be read without PIN authentication, not even in the camera itself. Access and further processing are now only possible via the computer, where the card can be unlocked via iCCT. In this way, the unauthorized transfer, manipulation or deletion of video recordings is effectively prevented.

Function



Features

- Encryption: AES 256 bit
- User authentication: configurable PIN
- High performance for full HD video support (UHS-I, speed class 10, video speed class 30)
- Industrial Temp (-40…85°C)
- Lifetime: 30.000 overwrite cycles for video recording (967 TBW @32GB)
- Data retention (with non-powered storage): 10 years
- FAT32 formatted (FAT32 is prerequisite of use!)