

Anti-Surveillance

Safeguarding smartphone cameras and microphones from unauthorized surveillance.

SafeCase™, the hardware cornerstone of the Fulcrum™ Platform, provides integrated audio masking and camera blocking capabilities to the associated smartphone. This prevents the phone from being used by threat actors as a tool for listening and watching. Governance of these capabilities is delivered through the extended Fulcrum Platform.



Unparalleled protection against audio and video surveillance.



**INTELLIGENT
AUDIO MASKING**



**CAMERA
BLOCKING**



**USER
ACCOUNTABILITY**



**VERIFIABLE
PROTECTIONS**



PRIVORO®

Anti-Surveillance

The science of on-device audio masking

A proprietary process that ensures protection

Similar to how white noise machines drown out the audio in a room, the SafeCase adds noise at the locations of the associated mobile device's microphones. As a result, the mobile device is essentially deafened, burying any meaningful audio content beneath the noise floor of the masking signal.



To ensure that the captured audio is useless to digital eavesdroppers, the noise added to the audio mix has the following three characteristics:



RANDOM

The noise for each microphone is generated using a true random number generator (TRNG), preventing the use of known patterns or two-channel adaptive filtering techniques to extract voices from captured audio.



MICROPHONE-SPECIFIC

A distinct masking signal is used for each of the mobile device's microphones, preventing the use of cross-correlation or known pseudo-random patterns to extract audio from the masked output.



ADAPTIVE

The level of audio masking adapts to the volume of the audio in the mobile device's vicinity throughout the range of human speech, protecting the content and context of conversations from a whisper to a shout.

Camera Blocking

A physical barrier over each of the smartphone's cameras prevents unauthorized third parties from observing or recording any visual data in the device's vicinity.

Take-Anywhere Protection

Instead of forcing users to surrender their personal smartphones before entering sensitive areas or high-level meetings, organizations using the SafeCase device can keep personnel connected to their mobile devices - in compliance with existing policy.

Fulcrum Anti-Surveillance for Cloud-Based Governance and Policy Compliance

- Policy management, including geofencing for alerts on policy
- Scalable to thousands of users
- Simple provisioning process
- Future third-party integrations for UEM, MDM and SIEM
- Flexible implementation to accommodate unique policy requirements and security considerations

