AXIS OS Security Assessment

Client Statement

June 17th, 2022

Version: AXIS OS 10.10

Reference Product: AXIS P3265-V Dome Camera

Prepared for

Axis Communications

AXIS OS Security Assessment

Client Statement

NCC Group was tasked by Axis Communications to perform a security assessment of the AXIS OS (Operating System). The aim of this brief statement is to provide an overview of the results.

The objective of the test was to evaluate the security level of the AXIS OS (version 10.10), its supporting infrastructure and security cameras, along with measuring the effectiveness of the security mechanisms in the following attack scenarios, both from the perspective of authenticated and unauthenticated malicious users:

- Network-layer attacks
- Application-layer attacks

The test was performed remotely, between 09/05/2022 and 20/05/2022.

The reference product & AXIS OS version used during the test were:

- AXIS P3265-V Dome Camera
- AXIS OS 10.10

As a direct result of the assessment, the target withstood the majority of standard techniques employed during the timeframe of the security assessment. Therefore, it was not possible to compromise the AXIS OS. In addition, NCC Group identified the assessed system to be well-protected at the network perimeter.

The level of security awareness demonstrated emerges from the various security controls in place to minimize and counteract potential risks to the application and its users. Some of the observed security controls include:

- A pervasive protection against network layer sniffing attacks.
- Robust protections against multiple forms of client-side attacks.
- A fine-grained authorization system to prevent replay authorization attacks.

Taking into account the security measures put in place by Axis Communications, the overall security level of AXIS OS is concluded to be adequately secured to resist hacker attacks at the time of the tests.

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