

Cheetah

Advance Authentication Technology

Convergence

Modularized in step with implementation paths recommend by SP800-116, the Cheetah's advanced architecture allows seamless integration into existing PACS and network environments. It's unique design encourages phased PIV deployment

Incremental Steps to Success

PIV-enabled authentication devices have failed to stay in step with SP800-116 guidelines, making the incremental deployment of PIV cards difficult and expensive. Most PIV deployments fail to move beyond casual Ad Hoc card verification. The Cheetah paves the path to full PIV deployment



Dynamic Authentication Modes

Set authentication factors to match the threat. Elevate to a different security threat level and the reader changes to the corresponding authentication mode. All readers are OSCP compliant for certificate path validation

✓ SP800-116

Core Module

PIV Authentication Mechanism

- *Free Read CHUID*
- *CHUID Signature*
- *Card Authentication Challenge*

All readers are OSCP compliant for certificate path validation

Biometric Module

PIV Authentication Mechanism

- *Free Read CHUID*
- *CHUID Signature*
- *Card Authentication Challenge*
- *Biometric Authentication (Server based or Card based)*

Contact Module

PIV Authentication Mechanism

- *Free Read CHUID*
- *CHUID Signature*
- *Card Authentication Challenge*
- *PK\PAK\PIV Authentication Challenge*
- *PIV PIN verification*

Full Modal Module

PIV Authentication Mechanism

- *Free Read CHUID*
- *CHUID Signature*
- *Card Authentication Challenge*
- *PK\PAK\PIV Authentication Challenge*
- *PIV PIN verification*
- *Biometric Authentication (Server based & Card based)*

Controlled

Limited

Exclusion

Exclusion

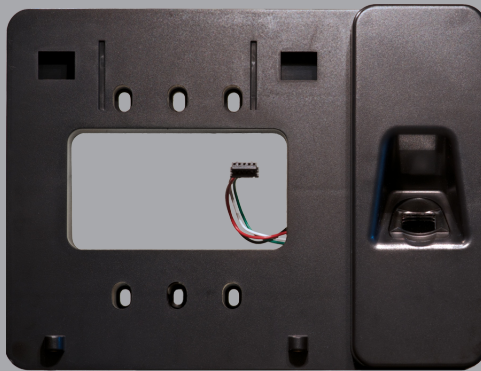
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Modular Design



Start with the Cheetah Core, and expand authentication modes by simply adding an extension module. The Core investment is retained as an organization deploys new modes of authentication

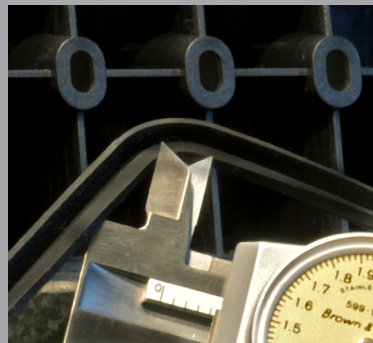


Leading Edge Sensor

Manufacturer Lumidigm Mercury
Technology Optical multi-spectral imaging
Image resolution 500 dpi

Durable

Monolithic Face
Core/Module Gasket
Wall Gasket
MTBF 60,000 hours
No Maintenance



Operational Boundaries

Power 12VDC, 750mA
Temperature -7°C to 50°C
Humidity 0-95% RH non-condensing
Weatherproof Built to IP65 Standards

Intelligent Reader Management

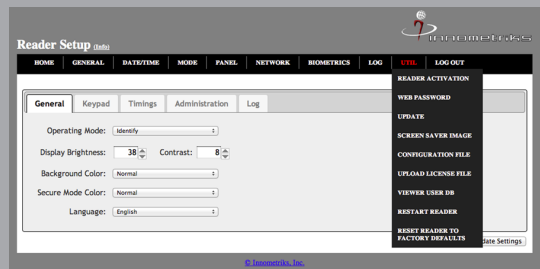
Network-based services allows enterprise-wide Cheetah implementations to be managed from a central location

Secure Browser Based Management

Network based Firmware Upgrades

Configuration File Cloning

Remote License Management



Multiple Communication Interfaces

Support of multiple communication protocol bridges the gap between dated physical access control system technology, and new IP based technology

Wiegand In **Wiegand Out**
Ethernet **Relay NO/NC**
RS485 **TTL**



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