HID

Multispectral Technology Comparison

Lumidigm	Competitor
Dry	
Wet	
Dirty	No image
Elderly	
High ambient light	No image
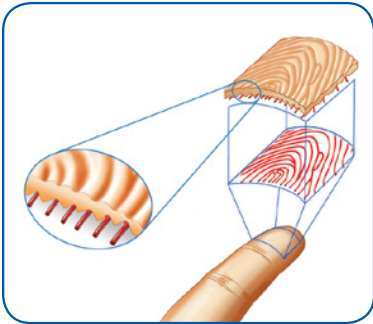
Works with anyone, anytime, anywhere!

Multispectral Technology

Lumidigm multispectral fingerprint sensors unleash the subsurface fingerprint to increase biometric performance and make your application more secure and reliable. The Lumidigm sensor returns superior images on anyone, anytime, in any environment.

- Eliminates failure to enroll and failure to acquire headaches
- The industry's best fingerprint images
- Protects against fake and spoof fingerprints
- Enables high throughput
- Maintains performance in rain, cold, dry and hot environments
- Requires minimal maintenance
- Dramatically reduces cost of system ownership and accelerates return on investment

Image quality

The accuracy and reliability of any fingerprint biometric is dependent on the image quality of the print itself. Lumidigm's patented multispectral imaging system uses multiple wavelengths of light to capture an image of both a person's external fingerprint and their identical "internal fingerprint" — the foundational capillary bed. Even if the external print is damaged or obscured, multispectral imaging uses the internal print data to ensure clear, clean images of anyone in any environment. Good images enable good biometric performance, which lowers the overall lifetime costs of system ownership by reducing management oversight, workarounds and frustrated users.

Performance

Lumidigm fingerprint sensors enhance the throughput and accuracy of any application. High-quality images are captured by multispectral sensors even when fingerprint ridges are hard to distinguish due to genetics, age, dirt, finger placement, or environmental conditions. Lumidigm sensors can easily enroll and verify ALL people — including that 2-5% of the population with "problem fingerprints" that fail to enroll on conventional sensors. The Lumidigm advantage increases return on investment and user satisfaction by eliminating these enrollment problems.

Liveness detection

Lumidigm provides the biometric industry's best liveness detection technology to protect against fake and spoof fingerprints. Only Lumidigm continually enhances its detection capability and provides spoof updates to contain risk and help future-proof your investment. Lumidigm is committed to providing the most secure sensors available.