Case Study:
Lenovo™ and VeriLook

Lenovo selected VeriLook 3.0 to be the facial recognition engine for PC user authentication and file encryption in their webcam-enabled notebook computers.

Company profile

- Lenovo is an innovative, international technology company formed as a result of the acquisition by the Lenovo Group of the IBM Personal Computing Division.
- Lenovo is a global company with executive offices in Raleigh (North Carolina, USA), Beijing (China) and Singapore. Its principal operations are in Beijing (China), and Raleigh (North Carolina, USA), with an enterprise sales organization worldwide.
- As one of the top companies in the PC market, Lenovo develops, manufactures and markets a variety of reliable, high-quality PC products and value-added professional services.
- Lenovo has shipped more than a million notebook computers that include Neurotechnologija's VeriLook facial recognition technology.

Lenovo was looking for reliable facial recognition technology for their notebook computers at a price point that enabled them to keep their prices competitive.

With the stated goal "to provide customers around the world with smarter ways to be productive and competitive," the R&D leaders at Lenovo wanted to offer their customers a faster and easier way to securely log on to their computers and encrypt files without having to rely on passwords and PIN numbers that can be easily lost or forgotten. So when the company decided to create a facial recognition application suite for their notebook computers, Lenovo searched for a facial recognition engine that would enable them to offer the high performance and reliability their customers for keeping their products competitive in the PC marketplace.

Lenovo selected VeriLook from Neurotechnologija as the facial recognition engine for its PC user logon and file encryption applications that are now available in several series of webcam-enabled notebook computers, including the Tianyi series and L3000, Y310 and Y410 series computers.

After considering many face recognition engines, Lenovo found that VeriLook best meets their requirements.

Lenovo's decision was based on a number of factors, including:

- The VeriLook algorithm provides the combination of accuracy and high speed required for PC applications such as user logon and file encryption.
- VeriLook can work with a broad range of cameras and resolutions and consistently deliver excellent results. This enabled Lenovo to keep their software better compatibility while implementing facial recognition technology in their notebook computers.
- Neurotechnologija provides a detailed development guide; fast, free and unlimited technical support and ongoing algorithm updates that ensure Lenovo's products always have the latest technology and best performance.
- Excellent performance. Customers appreciate having the benefits of facial recognition technology in their notebook computers.

> *"VeriLook gives us a lot of flexibility in the development of our facial recognition-related functionality, "* said Meng Zhiming, notebook application R&D engineer for Lenovo*. "Because of VeriLook's broad compatibility with PC cameras and low hardware requirements, we can easily develop and integrate a variety of facial recognition functions that work on a range of different cameras and notebook PCs."*
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> *"We've been working with Neurotechnologija for nearly two years now and we have been consistently pleased with their technologies and their ongoing commitment to their partners,"* said Li Yongping, manager of Lenovo notebook application R&D. *"VeriLook enables us to offer our customers advanced facial recognition technology that is both reliable and affordable."*

About VeriLook

The VeriLook algorithm from Neurotechnologija provides the capabilities of the most powerful facial recognition algorithms at a highly competitive price. The VeriLook 3.0 Software Development Kit (SDK) enables the development of fast, reliable and cost-effective biometric facial recognition systems on Microsoft Windows, Linux and Mac OSX platforms. Using a standard Webcam or security camera, the VeriLook 3.0 algorithm can match 100,000 faces per second with high reliability and can detect multiple faces in a single frame and process all of them simultaneously.

VeriLook 3.0 provides both 1:1 and 1:many matching modes and works with any database and any user interface, providing hardware manufacturers, biometric systems developers and security system integrators with facial recognition technology that can be used in a wide array of security systems.

For more information:

For more information about Lenovo and their products: http://www.lenovo.com

For more information about VeriLook pricing, product capabilities and specifications as well as other products from Neurotechnologija: http://www.neurotechnologija.com

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