

Biomatiques partners with Infinity Optics to bring biometric extended depth-of-field image capture technology to India



BIOMATIQUES

By Rawlson King

December 15, 2015 - Biomatiques Identification Solutions Pvt. Ltd. has partnered with Infinity Optics Solutions to bring Infinity's biometric extended depth-of-field image capture (BEDoF) technology to the Indian market.

BiometricUpdate.com had recently reported that Infinity Optics Solutions was readying its groundbreaking embedded biometric iris imaging technology for introduction into fast-growing biometrics markets, including India.

"We are proud that we are partnering with Infinity Optics, who are the leaders in the market," said Tamaal Roy, Biomatiques' CEO. "It is definitely a benefit for us as they have helped us to upgrade the quality of our lenses which will improve the end-user experience."

Biomatiques is the only Indian manufacturer of iris recognition technology. The firm will integrate Infinity Optics' "depth-of-field" technology into its product offerings starting in March 2016.

Iris recognition uses random textures that are visible in the eye to confirm someone's identity. Biomatiques says that iris patterns are far more random and unique than voice, fingerprints & facial structure and that the probability of duplication for voice recognition is 1 in 500, for facial recognition it is 1 in 1000, Apple touch ID is 1 in 50,000 while iris recognition is 1 in 1,500,000.

Infinity Optics unique and proprietary designs boast a Massive Depth-of-Field vision of up to 5 times. Along with its proprietary lens software, the technology delivers the highest quality image possible. Whereas conventional technology uses an auto-focus mechanism and multiple lens construction, the InfinityLens+ proprietary technology controls the optical aberrations beyond conventional ways of lens design.

Alfred Chan, Infinity Optics' Chief Executive, noted: "We specialize in technology that will replace the conventional method which you so often see in hardware applications where the eye has to move towards or away from the device into a very restrictive and narrow sweet spot. Our solution is designed to allow users to look into the iris recognition device from a normal distance and still obtain a great image for biometric authentication."

Earlier this year, Infinity Optics released a white paper explaining how its single lens extended depth-of-field technology makes iris authentication more practical and convenient. The firm believes that the use of iris recognition will continue to expand as it is increasingly adopted by industry to provide authentication to Internet of Things services and mobile devices.