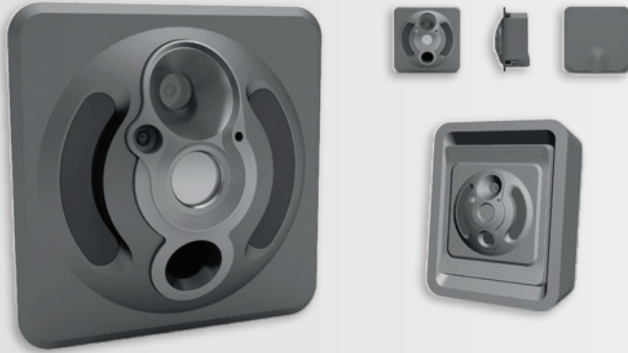# Iris and Face Biometric Capture Camera

High Performance Multimodal Camera for Tethered and Embedded Applications

VistaFA2 is a high performance and cost-effective multimodal biometric camera meeting the highest of industry standards. The VistaFA2 utilizes advanced imaging and operational technologies to deliver superior image quality for iris and face capture in practically all lighting conditions. Imaging technology includes multi-wavelength IR illumination, custom optics and a top-of-the-line CMOS sensor for ISO/IEC 19794-6-compliant Video Graphics Array (VGA) images during iris capture, and a 3MP CMOS image sensor (2048 x 1536), special optics, and an integrated flash for ISO/IEC 19794-5-compliant images during face capture.

In addition to overall image quality, VistaFA2 is equipped with multiple features that enable ease-of-use, rapid auto-acquisition and user-safety. VistaFA2 features proprietary distance-sensing circuitry with tri-colored LED indicators and an embedded cold mirror to quickly lead the subject into the correct positioning for instant auto-focus capture. This feature is incorporated with VistaFA2's accurate focus analysis for unique auto-acquisition capabilities. In addition, VistaFA2 integrates a microphone and speaker with USB input/output audio capabilities to enhance operational feedback, provide audio instructions, and to voice record a target when applicable. The VistaFA2 is also ROHS compliant and meets international Eye Safety Requirements. VistaFA2's distance sensors protect the user's eyes from NIR (near infrared) emission, shutting the camera off as soon as it detects proximate exposure.

Quality images, robust features and cost-effectiveness make the VistaFA2 the optimal solution for multimodal biometric capture, and it can be found in Corvus Integration's Micro Booking Station along with Corvus' Raven software for an all-in-one mobile biometric enrollment solution. For optimal security and reliability, the biometric data can be intelligently stored on a CardLogix M.O.S.T.® smart card for use in multi-factor authentication and identity verification applications.

Features

- Powered by Vista Imaging's powerful and proven ViCAM®III Digital Imaging Engine
- ISO/IEC 19794-6 compliant iris images
- ISO/IEC 19794-5 compliant face images
- Multi-wavelength IR illumination
- Meets international Eye Safety Requirements
- Integrated flash for face capture in dim to dark environments
- Intelligent distance-sensing technology for rapid automatic image acquisition
- Integrated cold mirror and RGB Tricolor LED for easy self-alignment feedback during iris capture
- Integrated microphone and speaker with USB input/output audio capabilities
- Full-featured SDK for quick and easy integration with custom applications
- Easy mounting to tripods with integrated tripod mount
- Compact and lightweight
- Supported by Raven software
- idblox® certified

For more information, contact your CardLogix Sales Representative.

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Identity

TECHNICAL DATA

INTERFACE/POWER SUPPLY	Standard USB 2.0
QUALITY AND FORMATS	ISO/IEC 19794-6 compliant ISO/IEC 19794-5
DIMENSIONS	94 x 94 x 54mm (3.7" x 3.7" x 2.1")
WEIGHT	0.18 kg (35.3 oz.)
SUPPORTED OPERATING SYSTEMS	Windows 7, CE, XP & Vista, and future Linux & Android OS support
SUPPORTED SOFTWARE PLATFORMS	Raven for biometric enhanced identity management by Corvus Integration idblox® compatible
RESOLUTION AND IMAGE SENSOR	VGA images (640 x 480 resolution) Above 41p/mm resolution at higher than 60% contrast ratio
MICROPHONE AND SPEAKER	16-khz and 16 bit audio I/O

Applications

- Portable & desktop multimodal biometric solutions
- Physical & Logical Access markets
- Stationary and portable biometric kiosks
- Border control
- Financial & banking security
- Law enforcement
- Financial & Banking security
- Healthcare Identity

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