



EyeTrust® II

Iris Camera System
for ATMs and Kiosks





Features & Benefits

- Powered via USB port, no external power supply required
- Rapid dual iris capture using IrisGuard's auto-focus technology and integrated 2Mpixel face Camera
- Rapid eye finding and accurate localisation
- Built-in industry-leading IrisGuard countermeasures
- Hardware encryption chip to ensure privacy
- Suitable for indoor and outdoor use, tolerates a wide range of light conditions
- Quality speaker suitable for busy locations - multi-language programmable
- Compact size, built-in mount, easy installation
- Compatible with all IrisGuard's imagers
- Compatible with IrisGuard's EyePay® Network platform and EyeCloud® systems

Precision Engineered

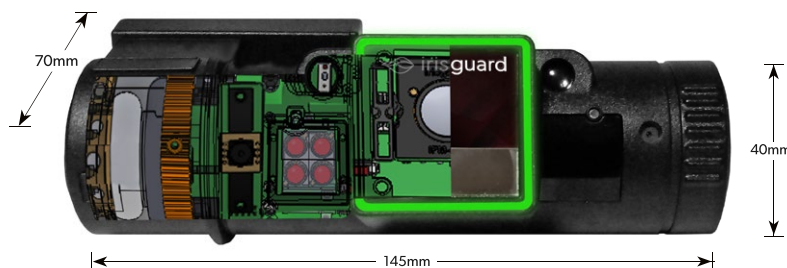
First imager to host the unique IrisGuard auto-focus module, designed to provide unprecedented focusing precision coupled with our patented Fine Focus technology. The EyeTrust®II therefore ensures extremely fast in-focus iris image capture in different environmental conditions and temperatures. These technologies are essential components for streamlining the onboarding process and ensure that only pristine iris images are captured. This reduces the overall time of onboarding, which can be of pivotal importance in iris recognition applications.

IrisGuard award-winning, highly effective technology with multiple unique patents.



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Specifications



Iris Capture Specifications

Image Sensor	5 Mega Pixel imager
Image Sensor Type	Monochrome progressive scan
Shutter	ERS (Electronic Rolling Shutter)
Resolution Bits	8 bit greyscale
Lens	Custom IrisGuard design
Focus	Automatic - focus resolution 0.005mm
Image Resolution	> 16 Lines per mm or 8 line pairs per mm
Imager Sensitivity (SNR)	> 40db
Frame Rate	> 50 FPS
Pixels Across the Iris	Nominal 250 pixels across the iris
Inter Pupillary Distance	49mm to 79mm
Illumination	700 - 900 nM at -3dB (direct and cross)
Pupil Control	White Light Flash (Patented)
Countermeasures	Patented Samba Live Eye Detection (SLED) Contact lens detection Off-axis detection
Capture distance	Nominal 200mm
Capture Time (Dual Eye)	< 2.0 seconds
Usage and Mounting	Counter mount bracket also available. Compatible with Microsoft Windows 7, 8, 10 & 11*
Iris Image	Window Compatible

Cryptographic Hardware Specifications

Cryptographic Algorithms	DES/3DES, AES 128/192/256bits, RSA up to 4096Bits, DSA up to 2048 Bits, ECC up to 384 Bits ISO/IEC 9798-2/FIPS196 unilateral authentication protocol
Main Feature	FIPS 140-2 identity-based Authentication using password, secure channel protocol (SCP02/SCP03) OTP - FIPS 198 algorithm with SHA1 digest
File System	Embedded dynamic FAT12 file system
Secure Vault Size	8K Bytes
Audible Status Indicator	EAL4+ ready, FIPS 140-2 security level 3, SSL support, PKCS #11 Microsoft MS-CAPI NIST certified FIPS 140-1 and FIPS 140-2 cryptographic modules

Face Capture Specifications

Imager Sensor Size	1/5" sensor CMOS RGB
Imager Format	Progressive scan
Image Resolution Portrait	2 Mega Pixel imager (xVGA)
White Balance	Automatic
Frame rate	>15FPS @ VGA quality
Lens F-Stop	F2.8
Lens FOV Horizontal	68 degrees
Imager Sensitivity (SNR)	> 49db
Image Horizontal Resolution @300mm	~4 pixels/mm
Horizontal Object Size @300mm	~404mm
Inter Pupillary Distance/Pixels @300mm	64mm/256 pixels
Face Capture Range	260mm to 350mm (Nominal 300mm)
Camera Active Indicator	Green LED status bar
Face Image	Compliant with USB Video Class (UVC).

General Specifications

Power and Data Interface	+5VDC single USB cable
USB Standard	USB 2.0 (480Mbps) high speed
User Guidance Voice prompts	Dynamic multi-lingual 44.1KHz
Operator Status Indicator	Multi-coloured status bar
User Status Indicator	Multi-coloured status bar
Operating Temperature	0°C to +60°C
Storage temperature range	-10°C to +70°C
Approvals	CE FC UK
Eye Safety	Lamp safety standard IEC 62471 - Exempt level
ISO Standards	Iris interchange Standard ISO 19794-6
Audio	48K/44.1KHz sampling rate for playback Compliant with USB audio Class (UAC).

Weights and dimensions are approximate. Specifications are subject to change without notice. All rights are reserved. No one is permitted to reproduce or duplicate, in any form, the whole or part of this brochure without permission from IrisGuard UK Ltd.

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Certificate No. 7348

IrisGuard is ISO 9001:2015 and ISO 27001:2013 certified