

# HBOX<sup>®</sup>



**HBOX<sup>®</sup> is a multi-modal biometric device, combining the iris and the face, to deliver a high level of security with convenience, ease-of-use, high person-throughput, and cost-effectiveness that has, until now, limited the widespread deployment of biometric security systems.**

The technology is enabled by GRI's proprietary HCORE™ modules, consisting of embedded processors, sensors and IR panels running multiple wavelengths. All operating and processing parts of the HBOX, as well as components optimizing camera performance are contained within the housing.

HBOX is an over-the-door device that can be used indoors, as well as outdoors, with multiple mount options, ranging from mobile stands and fixed frames to wall mounts. HBOX measures 64"/1.6 m (W) by 14"/0.35 m (H) by 12"/0.3 m (D).

HBOX has a person throughput of up to 50 people per minute, and also can be configured to serve different security needs with various throughput

requirements. HBOX is ideal for high throughput environments such as airports, stadiums and construction sites.

HBOX, unlike other iris biometric products currently in the market, can even be used on non-cooperative users, owing to its unobtrusive operating capability. HBOX can be configured to serve as an electronic physical access control system and is a genuinely new paradigm in access control. Unlike other iris systems HBOX is trivial to use and has mass-person-throughput capability.

HBOX hardware is complemented by SAMBI™ (biometric acquisition) and biometric matching softwares.



# HBOX<sup>®</sup>

HBOX offers privacy protection with "Identification in Anonymity™," whereby users are given the option of not disclosing any identification data about themselves as they enroll, as matching is performed of the biometric images and not of their names for example. HBOX also has optional "Enrollment on the Fly™" capability. HBOX provides identity security through live iris verification:

- A user has to be physically present at time of biometric identification.
- Identity cannot be stolen as credit card numbers, PINs, usernames, and passwords can and are.
- A person with an image of an iris of another person, either in photo or video CANNOT commit fraud by pretending to be the actual owner of the identity.



## ACCURATE, FAST, SEAMLESS BIOMETRIC IDENTIFICATION

Biometrics	Iris (125 pixels) & face (125 pixels between the eyes)
Real-time Throughput	Up to 50 people per minute
Acquisition Speed	Person moving at 1.5 m/sec
Stand-off Distance	46" / 1.17 m
Vertical Capture Range	24" / 0.61 m
Horizontal Capture Range	8.4" / 0.21 m
Operating System	Linux
Biometric Acquisition Software	GRI proprietary SAMBI™
Biometric Matching Software	GRI proprietary BioTag™
Operating Temperature	0-40° C
Network Interface	IEEE 802.3 Ethernet 10/100/1000
Power Requirements	250W A/C adapter, 110-240VAC
WiPak*	Yes
Dimensions (W x H x D)	64" / 1.6 m x 14" / 0.35 m x 12" / 0.3 m
*WiPak is GRI's proprietary integration package consisting of all portal interface hardware and software.	

