IrisAccess™ 3000
Iris Recognition System

The next generation in authentication technology, the TURNSTILES IrisAccess™ 3000 gives you a higher level of confidence and an increased degree of security. Accurate. Fast. Scalable. Take a closer look at the TURNSTILES IrisAccess™ 3000, it's the look of things to come.

More absolute than a fingerprint or other biometrics, an iris is unique to every individual. The TURNSTILES IrisAccess™ 3000 lets you easily integrate this remarkable technology into your existing security systems.

Designed with voice prompt, auto-focus, enrollment, and fast recognition, the TURNSTILES IrisAccess™ 3000 is very user-friendly. An individual just looks into the camera up to 10″ away and the LG IrisAccess™ 3000 captures the iris pattern, digitally processes it (into a 512-byte IrisCode® record), compares it to those stored in the database, and makes the authentication. All without PIN numbers, passwords, or cards.

TURNSTILES IrisAccess™ 3000 identification is ideal for a diverse range of applications. Anywhere that authentication is needed, think of the LG IrisAccess™ 3000 for flexible support for up to 128 remote stations from a single host.
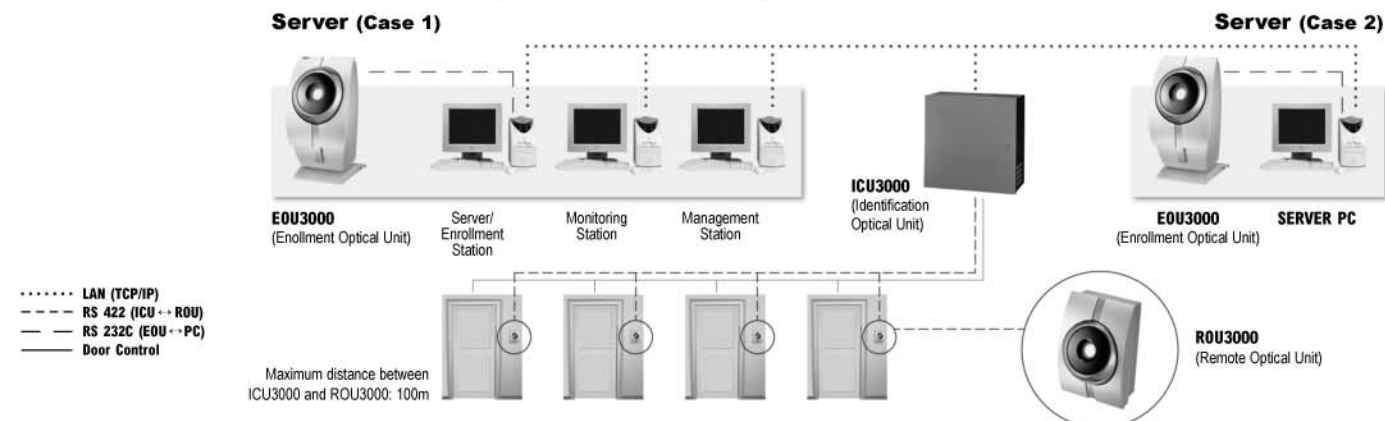
Fast

Accurate

Scalable

Versatile

www.TURNSTILES.us

The iris identity experts.℠

IrisAccess™ 3000

System Configuration

TURNSTILES IrisAccess™ 3000 consists of EOU3000, ROU3000, ICU3000, Frame Board Grabber, Door Interface and Server PC. Multiple Remote Units including the ICU3000 and ROU3000 can be connected to the Server PC through a LAN if multiple portal or a door control is required.

Server (Case 1) — EOU3000 (Enollment Optical Unit), Server/Enrollment Station, Monitoring Station, Management Station, ICU3000 (Identification Optical Unit)

Server (Case 2) — EOU3000 (Enrollment Optical Unit), SERVER PC

ROU3000 (Remote Optical Unit)

Maximum distance between ICU3000 and ROU3000: 100m

········· LAN (TCP/IP)
‑ ‑ ‑ ‑ RS 422 (ICU ↔ ROU)
——— RS 232C (EOU ↔ PC)
——— Door Control

Specifications

EOU3000 Enrollment Optical Unit/ROU3000 Remote Optical Unit

	EOU3000	ROU3000
Dimensions (W x H x D)	7.2" x 13.2" x 8" (182 mm x 335 mm x 203 mm)	6.9" x 10" x 5.2" (175 mm x 253 mm x 132 mm)
Weight	8 lbs (3.64 kg)	7.5 lbs (3.4 kg)
Power Input	100-240VAC, 60/50Hz	12VDC
Power Consumption	17W	
Signal System	NTSC	
Video Output	Composite Output: 1Vpp 75 Ω	
Internal Component	Modified x 16 Zoom B/W CCD Camera, 2 IR LED and etc.	
Camera Control	RS-232	RS-422
LED Indication	Power (blue)/Active (green blink), Accept (green), Reject (red), Connection down (red blink)	
Voice Indication	Flexible Voice Message (English: standard, Other Language: downloading available)	
Operating Range	3" – 10" (8 cm – 25 cm)	
Operating Temp.	32° F – 104° F (0° C – 40° C)	
Storage Temp.	-4° F – 140° F (-20° C – 60° C)	
Humidity	0% to 95% Non-condensing	
Rotation Angle	+41°/-0°	+25°/-25°

INTERFACE

Equipment supplied with EOU3000
• AC Power Cable • Video Cable (BNC) • Camera Control Cable (RS-232C)

Cables between ROU3000 and ICU3000
• Camera Control Cable :: 1:1 LAN Cable (8 Pin RJ45 jack) • Video Cable :: BNC

ICU3000 Identification Control Unit

Dimensions (W x H x D)	16.9 " x 16.5" x 6.4" (430 mm x 420 mm x 163 mm)
Weight	25.4 lbs (11.5 kg)
Power Input	100-240VAC, 60/50Hz
Power Consumption	200W
CPU	More than Pentium® III-633
Memory	64MB
Storage	1 HDD (20GB)
Camera Control	RS-422 (Standard: 2 channel, Max: 4 channel)
Video Input	Composite: 1Vpp 75 Ω BNC Type (Standard: 2 channel, Max: 4 channel)
Capture Capability	15f/s at each ROU3000
Door Interface	Relay, Wiegand and RS-422 Standard: 2 channel, Max: 4 channel
Operating System	Linux
LED Indication	Power (red)
Operating Temp.	32° F – 104° F (0° C – 40° C)
Storage Temp.	-4° F – 140° F (-20° C – 60° C)
Humidity	0% to 95% Non-condensing

INTERFACE

Cables between ROU3000 and ICU3000
• Camera Control Cable :: 1:1 LAN Cable (8 Pin RJ45 jack) • Video Cable :: BNC

Cables between Server PC and ICU3000
• 1:1 LAN Cable (8 Pin RJ45 jack)

FGB3000 Frame Grabber Board

Dimensions (H x D)	3.2" X 5.1" (81 mm x 129.5 mm)
Video Input	Composite: 1Vpp 75 Ω BNC Type, 2 channel
Capture Capability	15f/s at each ROU3000
Data Interface	PCI Bus
Operating System	Windows® 2000, Windows® XP, Linux

INTERFACE

Cables between EOU3000/ROU3000 and FGB3000
• Video Cable :: BNC

DIB3000 Door Interface Board

Camera Control	RS-422 (2 channel available)
Door Interface	Relay, Wiegand and RS-422 (2 channel available)

INTERFACE

Cables between ROU3000 and ICU3000
• Camera Control Cable :: 1:1 LAN Cable (8 Pin RJ45 jack)

SERVER PC REQUIREMENTS

	Server PC
Operating System	Windows® 2000, Windows XP®
Processor	Pentium® II 500M or higher compatible
Memory	128MB or higher
Hard Disk	10GB or higher
Ethernet	10/100Mbps full duplex
Other	2 serial port
	1 parallel port
	CD-ROM
	Frame Grabber Board (provided by TURNSTILES)

www.TURNSTILES.us

8641 S. Warhawk Rd.   Conifer, CO 80433
(303) 670-1099 x11   (303) 679-8949 fax
Patrick.McAllister@TURNSTILES.us