LG IrisAccess™ 3000
Iris Recognition System

Powerful

Passive

Positive

Security

The next generation in authentication technology, the LG IrisAccess™ 3000 gives you a higher level of confidence and an increased degree of security. Accurate. Fast. Scalable. Take a closer look at the LG 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 LG 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 LG 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.

LG 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.

| Border Control | Building Security | Transportation Security | Public Safety and Justice |

The LG IrisAccess™ 3000 biometric security system is marketed and distributed by the LG Iris Technology Division, a division of LG Electronics U.S.A., Inc., which is focused on developing iris-based biometric technology products to deliver leading identification security solutions worldwide.
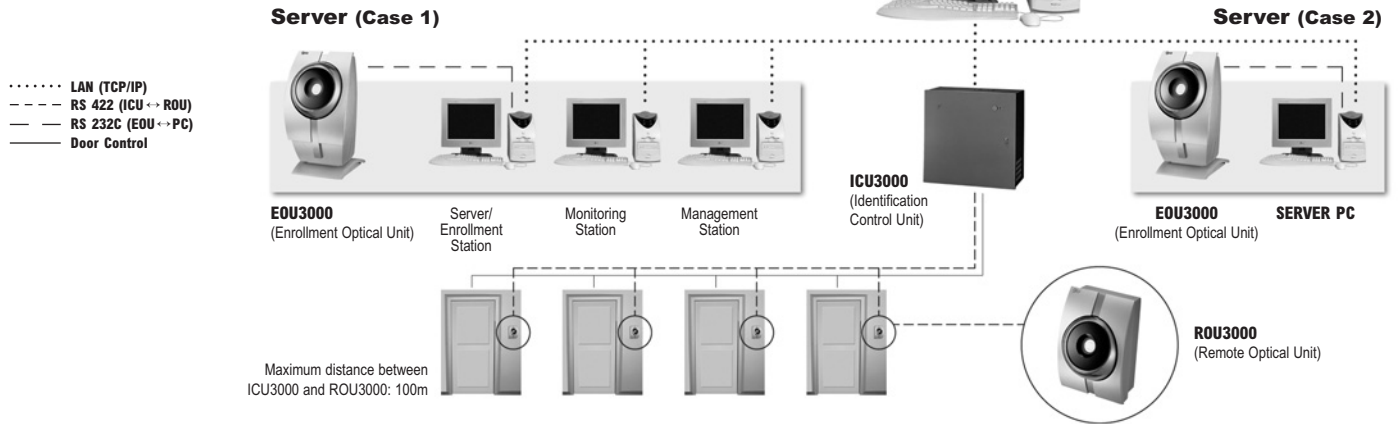
For more information about biometric products available through the LG Iris Technology Division, please visit www.LGiris.com. LG Electronics Inc. is one of the leading manufacturers of digital and electronics products. Headquartered in Seoul, Korea, LG is the market leader in monitor technology and optical disc drives.

LG

LG IrisAccess™ 3000

System Configuration

LG 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.

Super Server

Server (Case 1)

Server (Case 2)

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

EOU3000
(Enrollment Optical Unit)

Server/
Enrollment
Station

Monitoring
Station

Management
Station

ICU3000
(Identification
Control Unit)

EOU3000
(Enrollment Optical Unit)

SERVER PC

Maximum distance between
ICU3000 and ROU3000: 100m

ROU3000
(Remote Optical Unit)

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 75Ω	
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.	32º F – 104º F (0º C – 40º C)	
Storage Temp.	-4º F – 140º F (-20º C – 60º C)	
Humidity	0% to 95% Non-condensing	
Rotation Angle	+41º/-0º	+25º/-25º

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 75Ω 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.	32º F – 104º F (0º C – 40º C)
Storage Temp.	-4º F – 140º F (-20º C – 60º 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 75Ω 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 LG Electronics)

LG Electronics U.S.A., Inc.

Iris Technology Division
1000 Sylvan Avenue, Englewood Cliffs, NJ 07632
Tel: (201) 541-2500 • Fax: (201) 816-0729

Technical Support
1095 Cranbury South River Rd., Suite #1
Jamesburg, NJ 08831
Tel: (609) 860-8456 • Fax: (609) 860-0666

www.LGiris.com