

IrisAccess® CMS

CardID Management System



iCAM4000V-H1

The LG IrisAccess CardID Management System is a part of the world's number one deployed iris recognition platform. Increased versatility and flexibility makes card configuration, iris enrollment and verification easier than ever. An intuitive visual user interface combined with audible prompts enables users to quickly enroll and verify either one or two eyes virtually simultaneously. The IrisAccess auto-tilt camera adjusts to the user's preferred height and angle immediately after the smartcard is presented to further increase speed and convenience.

When it comes to dual-factor authentication, the LG IrisAccess CardID Management System is extraordinarily flexible. The combination of iData CardID Management Application and LG IrisAccess iCAM4000V-H1 with a device-embedded smartcard reader from the world's leading card reader producer HID, allows seamless integration with HID iClass smartcard solutions all around the world.

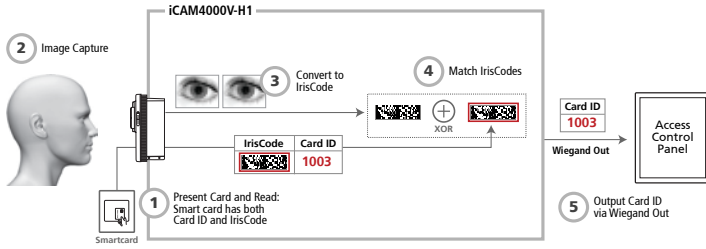
LG iData CardID Management Application software incorporates a unique functionality called iIdentity that performs a "one-to-many" search using iris against a database of enrollees to prevent duplicate enrollments. This feature is deployed automatically in the enrollment process of LG iData CardID Management Application.

- Iris Recognition - Non Contact Biometric
- Highly Accurate Access Control
- Fraud Screen de-Duplication
- Works with Smartcards
- Secure Credential Issuance
- Easy Re-Issuance Process
- Multi Format - Corporate 1000 Compatible
- Easy Administrative Interface

LG iCAM4000V-H1 with an embedded HID iCLASS and CardID Management Application delivers a secure and simple card issuance, re-issuance and verification solution.

Technical Specifications

The 512 byte size of an iris template allows 2 iris templates to be efficiently encoded on a smartcard. When smart cards are used a central database is optional and there is no need to poll a database to make an authentication decision. In the 1:1 verification mode, the smartcard is placed against the iCAM directly over the card reader icon. The iris template is read from the card and the card holder is prompted to look at the camera where an iris image is captured. If the template generated from the "real time presented iris" matches the stored template on the card, verification is successful. When verification is made, a Wiegand output is sent to the access control panel. Access is granted or denied as defined by predetermined security policies. Card intelligence allows the system to be programmed to automatically adjust the camera imager to the user's preferred height and angle.



iCAM4000VH1 (IrisCamera)

| | |
|------------------------|---|
| Dimensions (W x H x D) | 8.6" x 6.5" x 3.2" (218mm x 164mm x 80mm) |
| Weight | 4.4lbs (2kg) |
| Power Input | 12VDC, 1.5A |
| Power Consumption | 40W |
| LED Indication | Power (blue), Operating Range (green), Out of Range (orange), Accept (green blink), Reject (orange blink) |
| Voice Indication | Flexible Voice Message (English: standard, Other Language: downloading available) |
| Operating Range | 10.2" ~ 14.2" (26cm ~ 36cm) |
| Operating Temperature | 32°F ~ 104°F (0°C ~ 40°C) |
| Storage Temperature | -4°F ~ 140°F (-20°C ~ 60°C) |
| Humidity | 0% to 90% Non-condensing |
| Rotation Angle | +35°/-25° |

Interface

- Ethernet
- USB
- ProxCard Reader (Wiegand & RS-422)
- Smartcard Reader

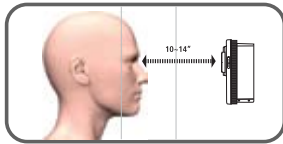
Equipment supplied with iCAM 4000VH1

- AC Power Cable
- AC Power Adapter
- Straight Ethernet Cable

PC Requirement (iData CardID Management Application)

| | |
|------------------|---|
| Operating System | Windows® Vista, Windows® XP |
| Processor | Pentium® IV 1.6GHz or higher |
| Memory | 512MB or higher (minimum 2GB for Windows Vista) |
| Hard Disk | 10GB or higher |
| Ethernet | 10/100Mbps Full Duplex |
| Other | 1 Serial Port, CD-ROM |

User Interface



- Green dot = In range
- Orange dot = Out of range

- iCAM activates when user approaches.
- Picture capture range is 10 - 14 inches away.
- Self or auto/set height adjustment.
- Placing dot over the bridge of nose, easily helps alignment.

- Orange ● turns to green ● when user is at correct distance.
- Visual indication is amplified with friendly audio prompts.
- Right and left iris are acquired.
- A face picture can also be captured.

Use of LG IrisAccess



Building Security



Transportation Security



Laboratory Security



Infrastructure Security



Public Safety & Justice



Time & Attendance



Border Control



Data Center Security

Installation and Dimension

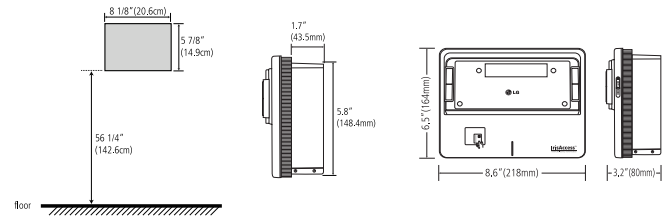


Illustration of mounting prep depth requirements with flush mount to wall.

Eye Safety

LG's heritage as a designer and manufacturer of high quality consumer electronic products is reflected in the utility, intuitiveness, human factors engineering and concern for safety that is part of the LG design and innovation process in iris recognition. The LG IrisAccess cameras meet or exceed US and international electrical code requirements. The optics and subtle illumination produced by LG IrisAccess has been thoroughly tested and found to fall well within UL, ANSI, and IEC eye safety standards. It has also been independently tested and approved for eye safety by other parties in the public and private sector.

What to Order

- iCAM4000V-H1** - LG IrisAccess 4000 with embedded HID iCLASS smartcard reader
- iCAMRM** - Wall Recess Mount Bracket installation kit
- iData CMA** - CardID Management Application for issuance of 500 cards
(*Note: Contact LG iris for large card capacity)



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