

IrisAccess® CMS

CardID Management System



iCAM4010V-H1

The LG IrisAccess CardID Management System (CMS) 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 smarcard 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 (CMA) and LG IrisAccess iCAM4010V-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.

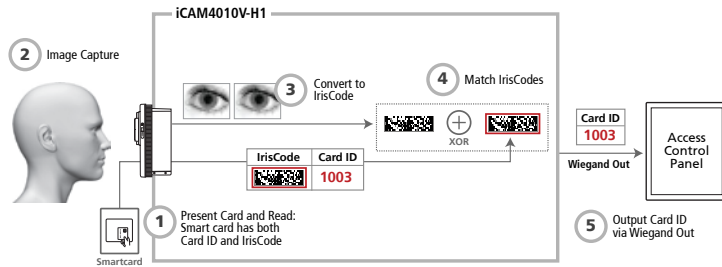
LG iData CardID Management Application (CMA) software incorporates a unique functionality called iIdentity that performs a "one-to-many" search using iris against a database of enrollees to prevent duplicate enrollments. This feature is automatically activated during the enrollment process of the LG 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 iCAM4010V-H1 with an embedded HID iCLASS and CardID Management Application deliver a secure and simple card issuance, re-issuance and verification solution.

Technical Specifications

One or two iris templates (approximately 512 bytes each) can be efficiently written to smartcards. When smartcards 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 in the access control panel. The iris camera imager automatically adjusts to user's height and angle when smartcard is presented.



iCAM4010V-H1 (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
- ProxCard Reader (Wiegand)
- Smartcard Reader

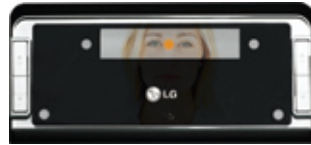
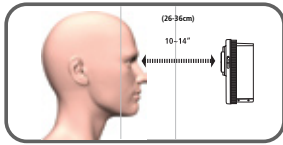
Equipment supplied with iCAM 4010V-H1

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

PC Requirement (iData CardID Management Application)

Operating System	Windows® Vista, Windows® XP
Processor	Pentium® 4 1.6GHz or higher
Memory	512MB or higher (minimum 2GB for Windows Vista)
Hard Disk	10GB or higher
Ethernet	10/100Mbps Full Duplex
Other	CD-ROM

User Interface



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

- iCAM activates when user approaches or when card is presented.
- Picture capture range is 10-14 inches (26-36cm) 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 irides are acquired.
- A face picture can also be captured.

Use of LG IrisAccess



Installation and Dimension

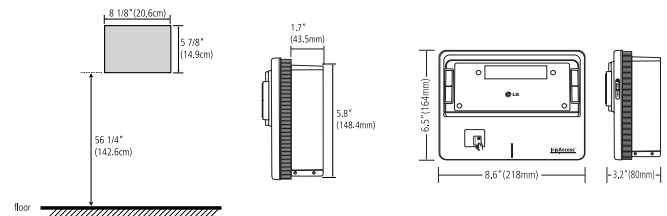


Illustration of mounting prep depth requirements with flush mount to wall. Recess mount kit available for iCAM4000 - Order iCAM-RM Mount kit.

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 sectors.

What to Order

- **iData CMA** - CardID Management Application for enrollment and card issuance.
- **iCAM4010V-H1** - LG IrisAccess 4000 with embedded HID iCLASS smartcard reader.
- **iCAM4110V-H1** - LG IrisAccess 4100 with embedded HID iCLASS smartcard reader.
- **iCAM-RM** - Optional Wall Recess Mount installation kit.



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