

Panasonic®

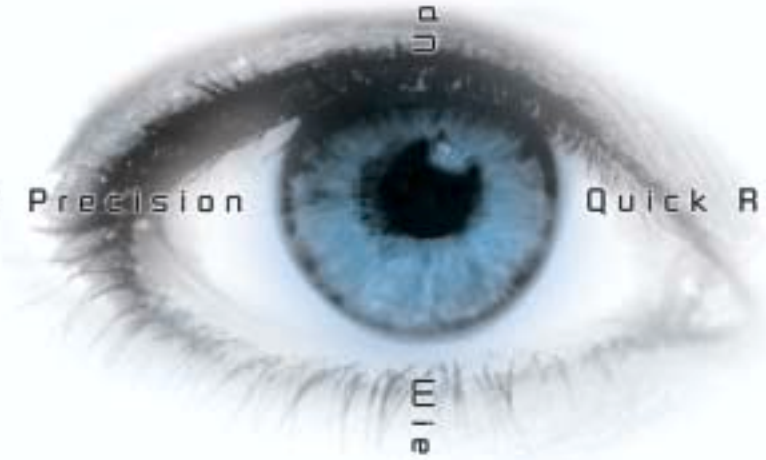
Iris Recognition Camera System BM-ET300 Series



Up to 5,000 Users

High Precision

Quick Recognition



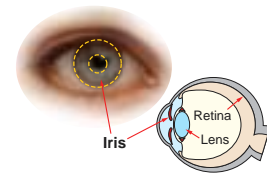
Wiegand Interface

Simple, speedy iris recognition. Now with voice guide. The new BM-ET300 Series.

Panasonic's full line-up of Iris recognition products now includes the BM-ET300 series. The BM-ET300 combines high precision, faster identification and flexible system architecture for state-of-the-art access control.

High security, with false acceptance ratio lower than 1 in 1.2 million

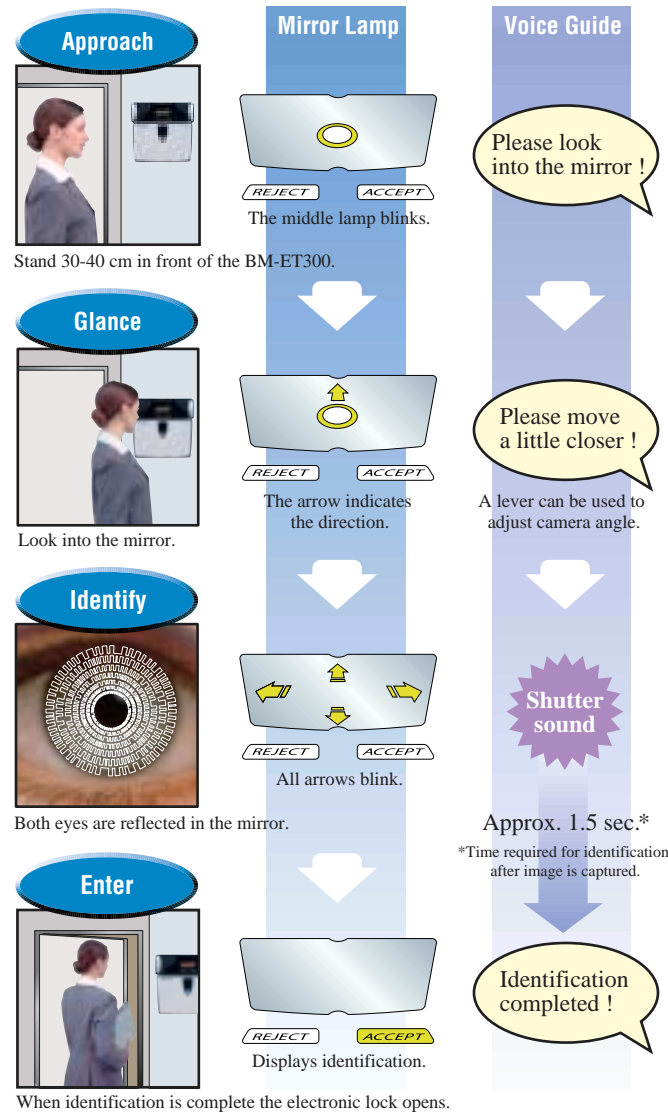
Iris recognition uses individual differences in the complex patterns found in the iris of the human eye to authenticate individual identities. Iris recognition is the most precise of all biometric identification systems. The false acceptance ratio is so low that the probability of falsely identifying one individual as another is virtually zero.



Iris Characteristics

- An extremely complex pattern that differs even between identical twins.
- Patterns stabilize between six months and two years of age and then remain unchanged for life.
- They are extremely difficult to imitate.

Mirror Lamp and Voice Guide Make Identification Simple and Speedy



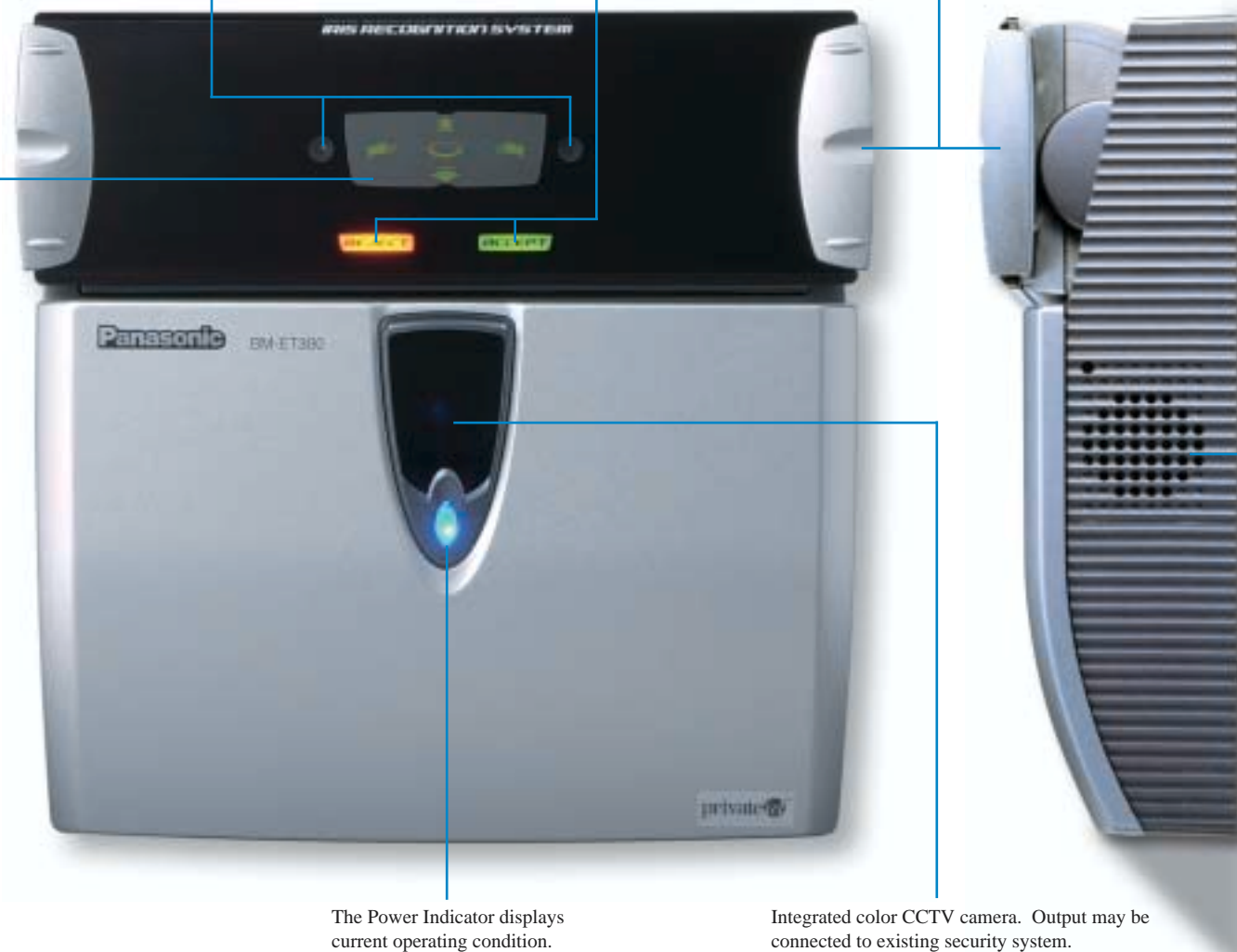
There is normally no need to remove eyeglasses or contact lenses while being identified. (Identification may not be possible with some types of glasses, sunglasses, or contact lenses or in certain environments.)

For iris recognition, two cameras simultaneously capture the images from both eyes.

Identification results are displayed.

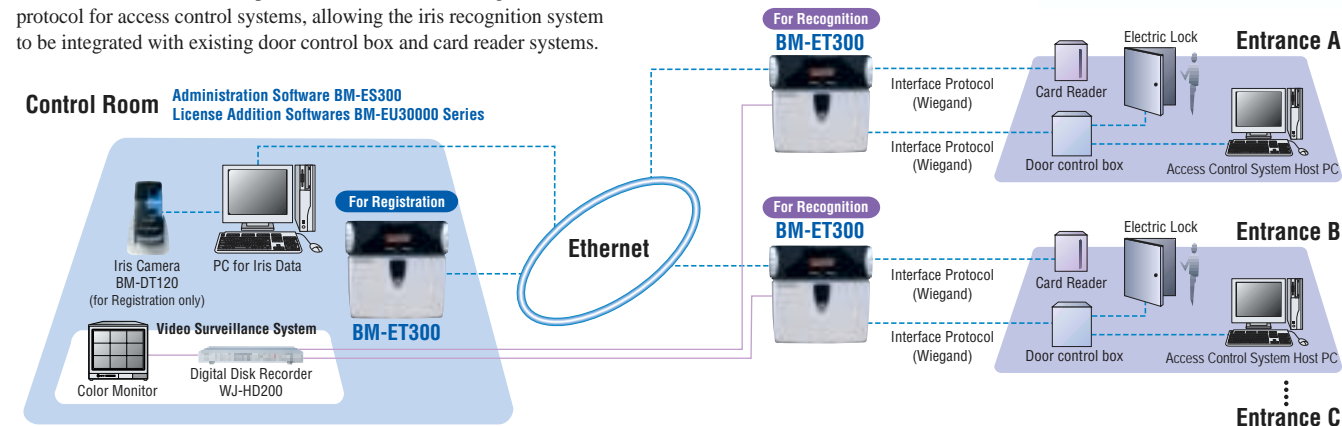
Lever simplifies adjusting camera angle

This lever makes it easy to optimize camera angle when capturing iris images.



Can be connected to existing security system

BM-ET300 Series I/O is compatible with the standard Wiegand interface protocol for access control systems, allowing the iris recognition system to be integrated with existing door control box and card reader systems.



APPLICATIONS

Offices Data Center, Material storage, safes, executive offices, secure meeting rooms	Laboratories and factories Drug or dangerous materials storage rooms, night or holiday entry control	Financial institutions Safes, safety deposit box rooms
Lifeline facilities Power generator rooms, dam management offices, gas company control rooms	Traffic control centers Expressway administration centers, railroad dispatcher rooms	Airport and harbor facilities Staff gates, Immigration, workshops
• Police • Prisons • Courts • Any and all security applications		

12-language voice guide

Use the menu on the administration PC to select English, French, German, Italian, Spanish, Portuguese, Russian, Chinese, Korean, Arabic, Turkish, or Japanese. A single Administration PC allows use of any language by different BM-ET300 terminals.

Select any of three audio modes

Audio Mode	Guide	Shutter Sound	Identification Result
Full	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Simple	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>
Mute	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

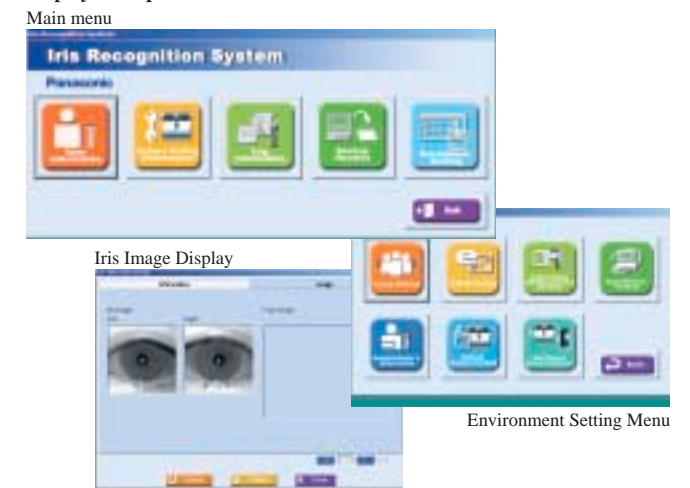
For systems large and small

Flexible registration software supports incremental users. User License Management Software; BM-EU30000 Series comes in four key sizes: for 100 users, 1,000 users, 3,000 users, or max. 5,000 users. Contact Panasonic for systems that require more than 5,000 registrants.

Easy operation and management from a PC

All settings, registrations, updates, and information confirmation can be controlled from a PC display.

Display Examples



Designed for High Security

Encrypted registration data.

Encrypting of Iris code/image data prevents unauthorized access.

Tamperproof construction

An alarm sounds if the camera is removed from the wall or the front cover is opened. If the tampering detection system is not turned off within 30 seconds, all programs and iris image data are erased from the cameras' memories. (The system can also be set to automatically erase all data when the cover is removed.)

Alarm notification

System operators can be automatically warned when alarms indicate that cameras have been replaced or damaged, electrical power is off, or "Reject" has been received 10 times in a row.

The above all photographs are simulated and shown for the purpose of explanation, actual images may differ.

PRODUCT CONFIGURATION

Iris Recognition Camera
BM-ET300



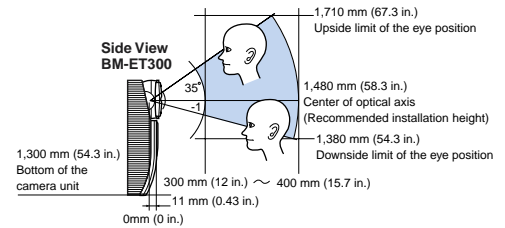
Administration Software
BM-ES300
User License Management Software
BM-EU30100 (for 100 Users)
BM-EU31000 (for 1,000 Users)
BM-EU33000 (for 3,000 Users)
BM-EU35000 (for 5,000 Users)

OPTIONAL COMPONENT

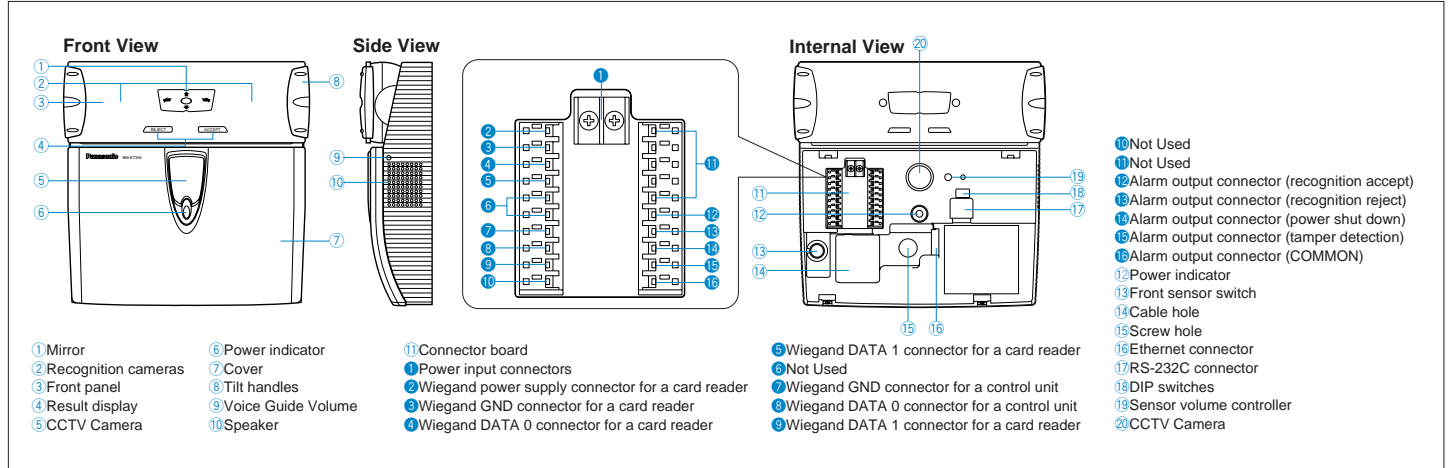
Iris Recognition Camera
(for Registration only)
BM-ET100US



CAPTURING RANGE



MAJOR OPERATING CONTROLS



SPECIFICATIONS

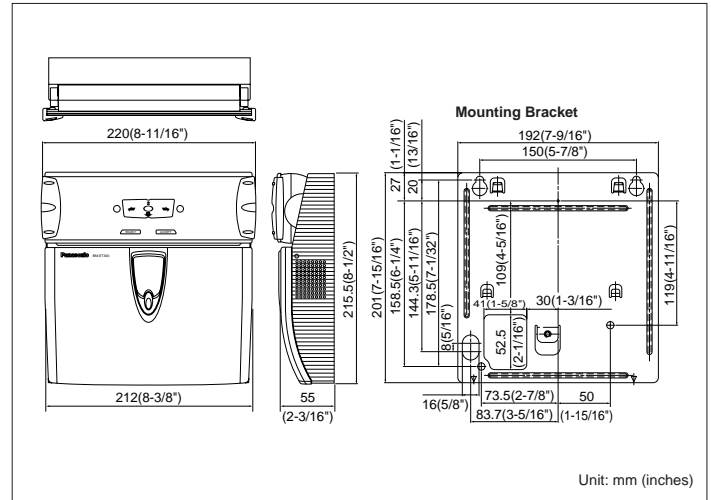
General	
Power Source	12 V DC or 24 V AC
Power Consumption	12 W
Iris Recognition Time	1.5 seconds (After image capturing)
BM-ES300 System Requirements	Microsoft® Windows® 2000 Professional Service Pack 2 or later, Windows® 2000 Server Service Pack 2 or later, or Windows® XP Professional
Ambient Operating Temperature	0 °C ~ +40 °C (32 °F ~ 104 °F)
Ambient Operating Humidity	30 % ~ 80 %
Dimensions	212 mm (W) x 216 mm (H) x 55 mm (D) [8.35" (W) x 8.50" (H) x 2.16" (D)]
Weight	2.4 kg (5.3 lbs.) (with the mounting bracket)
Input/Output	
Control Unit Interface (output)	Wiegand output x 1 [0/5 V, 24 mA (Max.)]
Card Reader Interface (input)	Wiegand input x 1 [0/5 V, 24 mA (Max.)]
Alarm Output	Recognition accept signal x 1 (Normally Open contact, pulse width: 200 ms) Recognition reject signal x 1 (Normally Open contact, pulse width: 200 ms) Power shut down signal x 1 (Normally Closed contact) Tamper detection signal x 1 (Normally Open contact)
Ethernet Port Connector	x 1 (10Base-T/100Base-TX or TCP/IP)
Sub Camera Output	1 V [p-p] NTSC composite 75 Ω/BNC connector
*The third-party external power-supply device should meet the following standards.	
Output Voltage	12 V DC ± 0.5 V 24 V AC ± 0.5 V
Output Current Capacity	0 A ~ 1.5 A (DC/AC)
Rated Ripple Voltage/Ripple Noise	150 mV [p-p] or less
Overcurrent Protection	Enabled (mandatory)

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• Weights and dimensions are approximate. • Specifications are subject to change without notice. • These products may be subject to export control regulations.

APPEARANCE



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