Panasonic ideas for life

Iris Reader BM-ET200





Highly accurate recognition with fast capture engine and dual mirrors

Simple to configure and easy-to-use Iris Reader with recognition results in 0.3 seconds*

gnition in a normal, ready-to-recognize condition after the eyes are aligned with the main uni

The BM-ET200 offers more-accurate, faster, non-contact entry/exit control utilizing biometric technology for iris recognition. The system can be used to check IDs in a variety of applications, including airports and entry/exit control for many types of industries.

Fast, high-speed capture engine developed to obtain recognition in only 0.3 seconds

Panasonic developed a unique high-speed capture engine that obtains recognition in only 0.3 seconds after eye position alignment with the mirrors. If recognition is not achieved the first time, the operation is automatically repeated at high prompting speeds.

Dual-mirror configuration makes eye alignment easy



Two mirrors are mounted on the front panel. Eye position is less likely to be out of side to side alignment, making recognition easier. Positioning of either left or right eye is simplified.

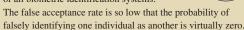
Distance guide indicator informs the user of proper iris capture distance

To adjust the camera for the most optimal eye distance, both voice instructions and distance indicator lamp guide provide user guidance so the correct capture position is achieved.

Distance	Number of lighting lamps	Voice guidance
Too close	00000 <	Please move
Suitable	0000	back a little
Too far	••••• ••••• •••••	Please move a little closer

High security, with false acceptance rate of 1 in 1.2 million*

Iris recognition uses individual differences in the complex patterns found within the iris of the human eye to authenticate individual identities Iris recognition is the most precise of all biometric identification systems.



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.

"RECOGNIZING PERSONS BY THEIR IRIS PATTERNS" by Dr.John Daugman University of Cambridge



Voice guidance recognition procedure

Speaker on the front panel offers voice guidance for operational assistance and recognition results. Fourteen (14) languages can be selected for each iris reader. Supported languages: English, French, German, Spanish, Italian, Turkish, Arabic, Chinese, Korean, Russian, Portuguese, Dutch, Swedish, and Japanese.

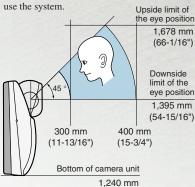
Three settings for voice guidance

Simple : Only recognition results are announced. F u 11 : Voice guidance such as "Please move a little closer" and "Please move back a little" and also recognition results are given.

Mute : No voice guidance.

The camera unit swivels up and down

The angle of the two embedded cameras can be adjusted to accommodate users from 152 cm to 180 cm. Taller users can simply bend over to



(48-13/16")

Distance indicator

Lighting of the lamp indicates the proper capture distance between the user and the BM-ET200.

Mirrors (Dual)

Adjusts the eye position when registering or recognizing eyes.

Eye image capturing cameras

Located behind the mirrors, the camera captures images of the irises.

Live indicator

The light indicates the current operating condition.

Results indicator

The lamp lights when recognition is completed.

Tamper Detection

The tamper protection feature prevents data from being extracted from the system. An audible alarm is triggered via the integrated tamper switches. Alarm signals are also transmitted to the access control system and Administration Server.

5,000 User License Included

Iris data for up to 5,000 users can be registered with the Base Administration Software BM-ES200A within the network mode. With additional (optional) user licenses, the system can register and manage iris data for up to 10.000 users. Contact Panasonic directly for systems requiring more than 10,000 users. Up to 50 users are included in the stand alone mode. 50 user licenses included in the BM-ET200 in stand alone mode cannot be used in a network

Access log can be searched by time

Using the time of image capture stored in the camera, you can search the access log of a specific user for the specified time.

APPLICATIONS

Download from Www.Somanuals.com, All Manuals Search And Download



Drug or dangerous materials rage rooms, night or holiday try control

LAN Connection Wiegand Connection **RS-485** Connection

(PAL only)



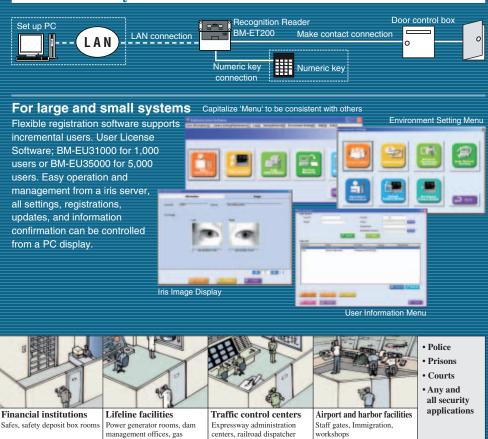
BM-ET200

Smart Cards

The iris data on an ID card is compared with the captured image to allow access. Smart cards provide application flexibility and do not require a central database.

HID





users. Easy operation and all settings, registrations, updates, and information

Laboratories and factories | Financial institutions

Data center, material storage, safes, executive offices, secu neeting room

SYSTEM DIAGRAMS

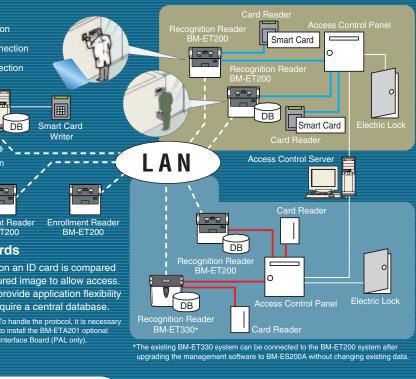
Network system

Integrates with Wiegand-compatible Systems

Compatible with standard Wiegand interface protocol access control systems thus offering flexible system configuration. Legacy PROX cards are also supported." *Most card formats are supported-please check with your local Panasonic sales office *To handle the protocol, it is necessary to install the BM-ETA201 optional Interface Boar

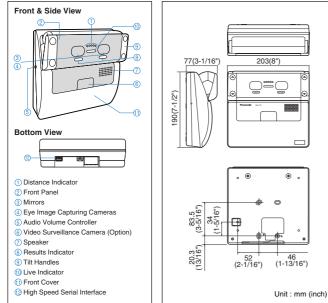
Maximum system specification

Maximum number of iris readers	256	units
Number of users that can be registered	10,000	users
Local matching	5,000	users



pany control room

MAJOR OPERATING CONTROLS APPEARANCE



RECOMMENDED SMART CARD READERS AND WRITERS

Applicable products	Manufacturer	Product / Product No.
	HID Corporation Ltd. RFIDeas, Inc.	RWK400 RW400 RFID1356i (USB and RS-232)
Smart Card		2001, 2011, 2021, 2031, 2041, 2051, 2061 This software supports the blank card only.

NOTE

• In regard to details of the Smart Card Writer and the Smart card, refer to the

- respective instruction manuals attached to merchandise. • When a card writer is connected and a USB-RS-232C conversion connector is used,
- the system may not operate normally.
- The USB connections are applicable to Windows[®] XP only. Operation is impossible with Windows[®] 2000.

PRODUCT CONFIGURATION



Microsoft® Windows Vista® • BM-ES200 supports Microsoft® Windows® 2000 Professional and Microsoft® Windows® XP

BM-ET200 SPECIFICATIONS

BM-ET200 SPECIFICATIONS				
General				
Power source (*1)	12 V DC/24 V DC			
Power consumption	Max. 24 W			
Ambient operating temperature	0 °C to +40 °C (32 °F to 104 °F)			
Ambient operating humidity	30 % to 90 %			
Dimensions	203 mm (W) x 190 mm (H) x 77 mm (D) (8" (W) x 7-1/2"(H) x 3-1/16"(D))			
Weight Interface	0.9 kg (1.98 lbs.) (this iris reader only) Wiegand, RS-485			
Network	10Base-T/100Base-TX (Auto negotiation)			
Network protocol				
Available card reader for Iris on card system	RWK400 (Manufactured by HID Corporation)			
·				
Input/Output				
Iris Reader BM-ET200				
Recognition start trigger input	0 V to 5 V, 24 mA max., Active low, Pulse width: 200 ms or more			
Recognition result output1 (ACCEPT)	make contact output, Normally Open, Pulse width: 0.1 s to 60 s, 24 V DC, 100 mA, ON-Resistance 6 Ω			
Audio Output (Preamplifier)	Stereo mini plug (ø3.5 mm)(10 kΩ, 100 mV [P-P])			
High speed serial interface	Numeric Key, External memory (*5)			
Interface Board BM-ETA201 (NTSC: inc Dimensions				
Alarm output1 (tamper detection)	65 mm (W) x 76 mm (H) x 31 mm (D) (2-9/16" (W) x 3" (H) x 1-1/4" (D)) Open collector output, Normally Open, Active Iow, 24 V DC, 24 mA			
Alarm output1 (tamper detection) Alarm output2 (power status)	Open collector output, Normally Open, Active low, 24 V DC, 24 mA Open collector output, Normally Close (Low level), 24 V DC, 24 mA			
Recognition result output2 (REJECT)	Open collector output, Normally Open, Active low, Pulse width: 0.1 s to 60 s,			
	24 V DC, 24 mA			
Buzzer input:	0 V to 5 V, 24 mA max., Active low, Pulse width: 200 ms or more			
Time adjust input	0 V to 5 V, 24 mA max., Active low, Pulse width: 100 ms or more (*7)			
Interface (card reader)	Wiegand, RS-485 (Either can be selected.)			
Wiegand power output (card reader)	5 V DC, 100 mA max.			
Wiegand DATA0 input(card reader)	0 V to 5 V DC, 25 mA max., Active low			
Wiegand DATA1 input (card reader)	0 V to 5 V DC, 25 mA max., Active low			
RS-485 (A), (B) (card reader)	Differential input: \pm 0.2 V or more, Differential output: \pm 2 V or more (When termination is ON) (*6)			
Interface (access control panel)	Wiegand, RS-485 (Either can be selected.)			
Wiegand power input (access control panel)	5 V DC (No connection available)			
Wiegand DATA0 output (access control panel)	0 V to 5 V DC, 25 mA max., Active low			
Wiegand DATA1 output (access control panel)	0 V to 5 V DC, 25 mA max., Active low			
Wiegand ACCEPT-LED input (access control panel)	0 V to 5 V, 24 mA max., Active low, Pulse width: 200 ms or more			
Wiegand REJECT-LED input (access control panel)	0 V to 5 V, 24 mA max., Active low, Pulse width: 200 ms or more			
RS-485 (A), (B) (access control panel)	Differential input: ± 0.2 V or more,			
	Differential output: ± 2 V or more (When termination is ON) (*6)			
Video Surveillance Camera BM-ETC20 Video Output	2 (optional) 1 V [P-P] NTSC/PAL composite 75 Ω BNC connector			
Video Odiput	TV [F-F] NTSC/FAL composite 75 22 BNC connector			
Function				
Iris recognition time	Approx. 0.3 seconds (After iris image capturing until the recognition			
	result is output) (*2)			
	Approx. 5 seconds (Server certification. After iris image capturing until			
F · · · · ·	the recognition result is output) (*3)			
Eye image capturing range	Approx. 30 cm to 40 cm (11-13/16" to 15-3/4") between the eyes and the mirror			
Total number of users enrolled Stand alone mode	50 users max.			
Network mode	Iris Reader BM-ET200: 5,000 users max.			
	Administration Software: 10,000 users max. (*4)			
Voice guidance	14 languages supported (English, French, German, Spanish, Italian,			
	Turkish, Arabic, Chinese, Korean, Russian, Portuguese, Dutch,			
	Swedish, and Japanese)			
	Mute, Simple (recognition result), and Full (voice guidance and			
	recognition result) selectable			
	Lighting of the lamp indicates the proper distance between the user and the main body.			
Distance indicator	Plinking On and Off coloctable			
Live indicator	Blinking, On, and Off selectable			
Live indicator Angular field view	Blinking, On, and Off selectable Horizontal: 115 °, Vertical: 85 ° (Fixed)			
Live indicator				
Live indicator Angular field view (Video Surveillance Camera: BM-ETC202) Security function	Horizontal: 115 °, Vertical: 85 ° (Fixed) Tamper detection switch, Iris data encryption			
Live indicator Angular field view (Video Surveillance Camera: BM-ETC202) Security function	Horizontal: 115°, Vertical: 85° (Fixed) Tamper detection switch, Iris data encryption ould meet *2 The recognition time may differ depending on			
Live indicator Angular field view (Video Surveilance Camera: BM-ETC202) Security function *1 The third-party external power-supply sh	Horizontal: 115°, Vertical: 85° (Fixed) Tamper detection switch, Iris data encryption ould meet *2 The recognition time may differ depending on			
Live indicator Angular field view (Video Surveillance Camera: BM-ETC202) Security function *1 The third-party external power-supply sh the following specifications, and must be	Horizontal: 115°, Vertical: 85° (Fixed) Tamper detection switch, Iris data encryption suld meet a UL Listed a UL Listed a UL comparison of the recognition time may differ depending on capturing capacity conditions, er the total number of			
Live indicator Angular field view (Video Surveillance Camera: BM-ETC202) Security function *1 The third-party external power-supply sh the following specifications, and must be access control power limited device.	Horizontal: 115°, Vertical: 85° (Fixed) Tamper detection switch, Iris data encryption ould meet a UL Listed a UL Listed a Gapacity capacity capacit			
Live indicator Angular field view (Video Surveillance Camera: BM-ETC202) Security function *1 The third-party external power-supply sh the following specifications, and must be access control power limited device. Output voltage Output current	Horizontal: 115 °, Vertical: 85 ° (Fixed) Tamper detection switch, Iris data encryption ould meet a UL Listed *2 The recognition time may differ depending on recognition condition. *3 The recognition time may differ depending on capturing capacity PAL) or more PAL) or more *4 User Licence Software BM-EU30000 Series (option)			
Live indicator Angular field view (Video Surveillance Camera: BM-ETC202) Security function *1 The third-party external power-supply sh the following specifications, and must be access control power limited device. Output voltage Output current 12 V DC ± 0.5 V = 2 A (NTSC)/1.2 A (24 V DC ± 0.5 V = 1 A (NTSC)/0.6 A (Rated ripple voltage/Ripple noise: 150 mV	Horizontal: 115 °, Vertical: 85 ° (Fixed) Tamper detection switch, Iris data encryption ould meet a UL Listed *2 The recognition time may differ depending on recognition condition. *3 The recognition time may differ depending on capturing conditions, network conditions, or the total number of enrolled users. *4 User Licence Software BM-EU30000 Series (option) is required. *5 Refer to the dealer for available external devices.			
Live indicator Angular field view (Video Surveillance Camera: BM-ETC202) Security function *1 The third-party external power-supply sh the following specifications, and must be access control power limited device. Output voltage Output current 12 V DC ± 0.5 V 2 A (NTSC)/0.2 A (24 V DC ± 0.5 V 1 A (NTSC)/0.6 A (Horizontal: 115 °, Vertical: 85 ° (Fixed) Tamper detection switch, Iris data encryption ould meet a UL Listed *2 The recognition time may differ depending on recognition condition. *3 The recognition time may differ depending on capturing conditions, network conditions, or the total number of enrolled users. *4 User Licence Software BM-EU30000 Series (option) is required. *5 Refer to the dealer for available external devices.			

- Trademarks and registered trademarks
- Private ID, and KnoWho are trademarks of Iridian Technologies, Inc., USA
- iCLASS is a registered trademark of HID Corporation.
- Windows® 2000 Professional, Windows® XP Professional or Windows Vista® are registered trademarks of Microsoft Corporation in the USA and/or other countries.
- All other trademarks are the property of their respective copyright holders.



Important

Safety Precaution: carefully read the operating instructions and installation manual before using this product.
 Panasonic can not be responsible for network performance and/or other manufacturer products that reside on the network.

DISTRIBUTED BY:



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



http://panasonic.net/security/ Printed in Japan (2A-038L) Free Manuals Download Website <u>http://myh66.com</u> <u>http://usermanuals.us</u> <u>http://www.somanuals.com</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.com</u> <u>http://www.404manual.com</u> <u>http://www.luxmanual.com</u> <u>http://aubethermostatmanual.com</u> Golf course search by state

http://golfingnear.com Email search by domain

http://emailbydomain.com Auto manuals search

http://auto.somanuals.com TV manuals search

http://tv.somanuals.com