# NEC

\Orchestrating a brighter world

**Contactless, fast and highly accurate**

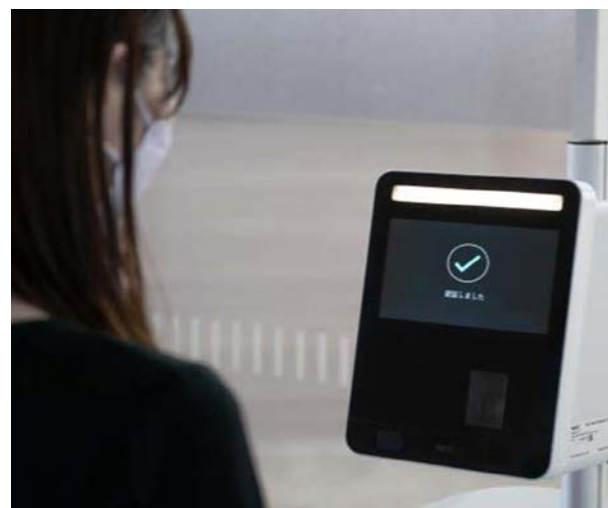# Face and Iris Multimodal Authentication



## Combines NEC's leading face recognition and iris recognition

In recent years, there has been an increasing risk of economically motivated attacks, especially for companies and organisations with leading-edge technologies and confidential information.

In addition, as the digital transformation of companies accelerates, the scope and impact of security incidents is expected to become more serious. As a result, further enhancement of security is required.

NEC's Face and Iris Multimodal Authentication solution enables high-speed, high-precision authentication with a false acceptance rate of less than one in 10 billion just by having an individual direct their face towards an authentication device.

Moreover, even under conditions where individuals wear masks, goggles and gloves, the solution maintains highly accurate, touchless authentication accuracy without compromising security or convenience.



### At a glance

- High accuracy
- Fast and convenient
- Easy to install
- Effective in various conditions
- Contactless

### Data Centres

Access control at important facilities that require high security, such as such as infrastructure facilities and data centres.

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### Medical Facilities

Access control at sites where faces are mostly hidden, such as food factories and medical facilities.

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### Retail

Payments that require large-scale and strict authentication, food stores.

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# Benefits

**High accuracy**
Combines NEC's face recognition and iris recognition technologies with a false acceptance rate of less than one in 10 billion. Performs matching of three types of biometric information from the face, left iris, and right iris.

**Fast and conveneient**
Achieves speedy authentication by acquiring face and iris information simultaneously. Built-in camera automatically adjusts its tilt according to the user's height.

**Easy to install**
Adoption of VESA standard provides convenient support for various mounting options, such as floor stands, wall mounts, and tabletop bases. Flame retardant components ensure excellent heat resistance. Dust and drip resistance IP 54 equivalent allows for installation in indoor and semi outdoor environments.

**Effective in various conditions**
Enables authentication even while users wear items such as protective clothing, hats, helmets, goggles, glasses, contact lenses, masks, and gloves. Can be used in dim lighting.

**Contactless**
Contactless authentication ensures worry-free use in hygienic environments or in situations where hands are occupied.

**Leading technology**
Independent tests by the US National Institute of Standards & Technology (NIST) and peer reviewed by the scientific community.

**Impersonation prevention**
Equipped to block impersonation attempts using printed materials and facial photos.

## Basic Product Specifications

| Item | | Specifications |
|---|---|---|
| Built-in LCD | | 7-inch (Resolution: 1024 × 600 or more) |
| Touch panel | | Electrostatic capacitive type |
| Sound functions | | Equipped with built-in speaker and microphone |
| Network (wired) | | 1000BASE-T/100BASE-TX/10BASE-T |
| External interface | USB | USB 3.2 × 2 |
| | Display | DisplayPort × 1 |
| | LAN | RJ-45 × 1 |
| | Audio | Line-in/out/Mic in combo × 1 |
| | Contacts | DI/DO × 4, Wiegand × 1, JEM-A × 1, RS- 232/RS-485 × 1 |
| Unit weight | | Approx. 3 kg (Main unit only) |
| Unit power | | 12 V DC (Use of specified AC adapter required) |
| Power consumed (maximum) | | 100 W or less |
| Imaging range (vertical) | | Supports heights ranging from 117 to 185 cm |
| Imaging distance (horizontal) | | 40 to 75 cm |
| Fan | | Built-in |
| Dust / drip resistance | | IP54 equivalent |
| Temperature / humidity conditions | | (During operation) Temperature: 5 to 35°C, Humidity: 20 to 85% RH (No condensation)<br>(During storage) Temperature: -20 to 60°C, Humidity: 5 to 95% RH (No condensation) |
| Fire resistance | | Heat resistant |

**For more information on our Face and Iris Multimodal Authentication soluton, visit:**

**nec.com.au**

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