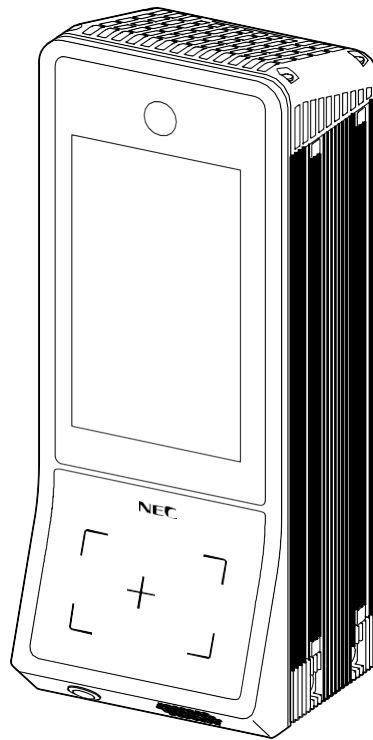




NeoFace Access Control

EGW101

User's Guide

Precautions for Use (Please Be Sure to Read)

Safety Precautions

Follow the instructions in this document for the safe use of NeoFace Access Control.

This document describes hazardous parts of the server, possible hazards, and how to avoid them. The possible dangers for NeoFace Access Control are indicated with a warning label placed on or around them (or, in some cases, by printing the warnings on the unit).

Be sure to read the labels before using NeoFace, please use NeoFace Access Control observing the precautions.

The meaning of the displays and graphic symbols used in this guide are as follows. Please be sure to understand the displays and symbols, and then read this User's Guide.

	Warning	Indicates there is a risk of death or serious personal injury.
	Caution	Indicates there is a risk of burns, other personal injury, or property damage.

Precautions and notices for hazards are presented with one of the following three symbols.

	Attention	This symbol indicates the presence of a hazard if the instruction is ignored. An image in the symbol illustrates the hazard type.	(Example) (Electrical hazard)
	Prohibited action	This symbol indicates prohibited actions. An image in the symbol illustrates a prohibited action.	(Example) (Disassembly prohibited)
	Mandatory action	This symbol indicates mandatory actions. An image in the symbol illustrates a mandatory action to avoid a hazard.	(Example)  (Disconnect a plug)

(Display example)

Warning symbol

Heading and description of danger

Term indicating degree of damage



Warning




Do not use NeoFace if any smoke, odor, or noise is present.

If smoke, odor, or noise is present, immediately turn OFF NeoFace and unplug the power plug from the outlet, then contact your sales representative. Using NeoFace in such conditions may cause a fire.

Symbols Used in This Document and on Warning Labels

Attention

	Source of Fire Indicates there is a risk of fire or fumes.		Electrical hazard Indicates the presence of electric shock hazards.
	Be careful not to get your hand caught Indicates the presence of mechanical parts that can result in bodily injury.		High temperatures Indicates the presence of a hot surface or component. Touching this surface could result in bodily injury
	Explosion Indicates there is a risk of explosion.		General Caution Indicates a general notice or warning that cannot be specifically identified.

Prohibited Action

	Disassembly prohibition Do not disassemble, repair, or modify NeoFace. Otherwise, an electric shock or fire may be caused.		Splashing of water prohibition Do not use the server in the place where water or liquid may splash. Danger of electric shock or fire when wet with water.
	Magnetism prohibition Do not place NeoFace near fire. Otherwise, a fire may be caused		Wet hands prohibited Do not touch NeoFace with wet hands. Otherwise, an electric shock may be caused.
	Contact Prohibited Do not touch the components specified by this symbol. Otherwise, an electric shock or burn may be caused.		General prohibitions Indicates a general prohibited action that cannot be specifically identified.

Mandatory Action

	General Mandatory Actions Indicates a general mandatory action that cannot be specifically identified. Make sure to follow the instructions.
---	--

Safety Instructions

This section shows notes on using the server safely. Read this section carefully to ensure proper and safe use of the server.

General

 Warning	
 	Do not use NeoFace if any smoke, odor, or noise is present. If smoke, odor, or noise is present, immediately turn off NeoFace and disconnect the power plug from the outlet, then contact your sales representative. Using NeoFace in such conditions may cause a fire. Do not insert foreign objects such as metal pieces or liquids into the vents or opening of the connector terminal of NeoFace This may cause fire, electric shock, or failure. If the foreign objects or liquids have entered, switch OFF the power, remove the power plug and contact your sales representative.
 Caution	
	Do not use NeoFace outside Japan NeoFace is manufactured and sold for use in Japan only. NeoFace cannot be used outside Japan. Using NeoFace outside of Japan may cause electrical shocks or a fire.

Precautions for AC Adapter and Power Cord Use

 Warning	
	Insert the power cord into outlets whose voltage matches that of the power cord When using the AC adapter purchased as an option, plug the power cord into an outlet of 100 V AC in accordance with the voltage of the supplied power cord. Plugging the power cord into an outlet of voltage different from the specified voltage may cause a fire.
	Do not hold the power plug with wet hands Do not disconnect/connect the plug while your hands are wet. Otherwise, this may cause electrical shocks.
	Do not connect or disconnect the earth wire with the power cord of the server plugged to a power source. Unplug the power cord from the power outlet before connecting or disconnecting the earth wire. Touching the ground wire with the power plug plugged even when the power is switched OFF may cause a fire or electric shock.

**Caution****Use specified power supply voltage (DC 9 V to 30 V)**

Using with an incorrect power supply voltage may cause fire, electric shock, or failure.

**Do not use extension cords**

Do not install NeoFace in any environment that requires an extension cord. Connecting to a cord that does not conform to the power supply specifications of NeoFace may cause fire due to overheating.

**Do not overload the electrical circuit**

The electric current exceeding the rated flow overheats the outlet, which may cause a fire.

**Do not unplug the power cord by holding the cable.**

Pull the power cord straight out by holding the plug. Pulling the power cord by holding the cable or applying extra pressure to the connector may damage the cable and may cause a fire or electric shock.

**Do not drop or subject to an impact**

Do not drop or subject the AC adapter to an impact. This may cause the adapter to break or malfunction.

**Insert the power plug into the outlet.**

Insert the plug of power cords into the outlet completely. Arcing may be caused by inserting the plug halfway, increasing the possibility of fire. Heat will be generated if condensation is formed on a plug that is covered in dust, which may cause a fire.

**Use specified AC adapter and power cord**

Use the power cord provided with the AC adapter purchased as an option. If electric current exceeding the rating flows in the power cord may cause a fire.

Also, observe the following precautions to prevent electrical shock or fire caused by a damaged power cord.

- Do not stretch the cord harness.
- Do not pinch the power cord.
- Do not bend the power cord.
- Keep chemicals away from the power cord.
- Do not twist the power cord.
- Do not place any object on the power cord.
- Do not step on the power cord.
- Do not twist the power cord.
- Do not alter, modify, or repair the power cord.
- Do not secure the power cord with staples or equivalents.
- Do not use a damaged AC adapter or power cord. Replace the damaged power cord with a power cord of the same standard. Contact your sales representative for replacement.

**Do not use the AC adapter or power cord for any other devices or usage.**

The AC adapter purchased as an option or power cord provided with NeoFace is designed for connecting to and using with NeoFace, and its safety has been tested. Never use the attached power cord for any other purpose. Not following this instruction may cause electrical shocks or a fire.

**Do not disassemble**

Never disassemble the AC adapter. This may cause the adapter to break or malfunction.

**Indoor use**

Use the AC adapter indoors. When using the AC adapter outdoors, take adequate measures such as placing in a dust proof/ waterproof cabinet avoiding exposure to direct sunlight and rainwater.

Installation, Relocation, Storage, and Connection of NeoFace



Caution



Install or store NeoFace in the specified location
Place NeoFace at the location specified in the chapter "Chapter 2 Installation and Connection" of this guide. Installation or storage in the following locations may cause a fire.

- Places with dust.
- Humid places such as near boilers
- Locations exposed to direct sunlight.
- An unstable place



Measures to prevent falls

Take measures to prevent NeoFace from toppling over or falling during earthquakes to reduce the risk of personal injury. Depending on the strength of the wall or unit to which the toppling over or fall prevention device is attached, the toppling over or fall prevention effect is significantly reduced. Provide appropriate reinforcements based on the strength of the wall or unit.

The measures to prevent toppling over or fall prevention are intended to mitigate harm such as injuries and are not guaranteed to be effective for all earthquakes.



Do not use NeoFace in an environment where corrosive gas is present.

Do not install NeoFace in a place subject to corrosive gases including sulfur dioxide, hydrogen sulfide, nitrogen dioxide, chlorine, ammonia, or ozone. Do not install NeoFace in an environment that contains dust and components (such as sodium chloride, and sulfur) that promote corrosion in the air or conductive metal. Otherwise the wiring on the printed circuit board inside NeoFace may be subject to corrosion causing emission of smoke or failure. If you have any questions on the working environment, contact your sales representative.



Use only specified interface cables

Please use the interface cable specified by NEC and check the devices and connectors to be connected beforehand. Using cables other than those specified or connecting the cables wrongly may cause a fire due to short circuits. Please observe the following caution when handling and connecting interface cables.

- Do not use damaged cable connectors.
- Do not step on the cables.
- Do not place any object on the cables.
- Do not use cables that are loosely connected.
- Do not use damaged cables.

For interface cables, contact your sales representative



Secure the power cord and interface cables

Be sure to secure the power cord and interface cables in place. Incomplete installation cause loose connections and may cause smoke or fire.



Do not unplug by holding the interface cable

To unplug the cable, remove the screw lock, hold the connector part and pull it straight out. Pulling the interface cable by holding the cable or applying extra pressure to the connector may damage the cable and may cause a fire or electric shock.

Cleaning and handling internal devices

 Warning	
 	Do not attempt to disassemble, repair, or modify NeoFace by yourself Only maintenance personnel should disassemble, repair, or alter NeoFace. Since there are parts that are running even when the power is turned off, so not only will NeoFace not operate properly, but can cause electric shock or fire.
 	Do not remove the lithium battery Lithium batteries have been used in NeoFace. Do not remove the batteries. Placing the batteries close to the fire or in water may cause an explosion. When NeoFace does not operate properly because the battery is dead, contact your sales representative without disassembling, replacing or charging the battery.
 	Lithium battery provided in NeoFace are not to be charged Do not charge the lithium battery provided in NeoFace. Charging the battery may cause fire or explosion.
 Caution	
	High temperatures Immediately after the power supply has been switched OFF, NeoFace may be hot depending on the ambient temperature. Allow NeoFace to cool before installing or removing.
	Secure the power cord and interface cables Be sure to secure the power cord and interface cables in place. Incomplete installation cause loose connections and may cause smoke or fire.
	Cleaning To clean NeoFace, wipe gently with a soft cloth moistened with water or mild detergent. Using acidic or alkaline detergents may cause discoloration or deformation.

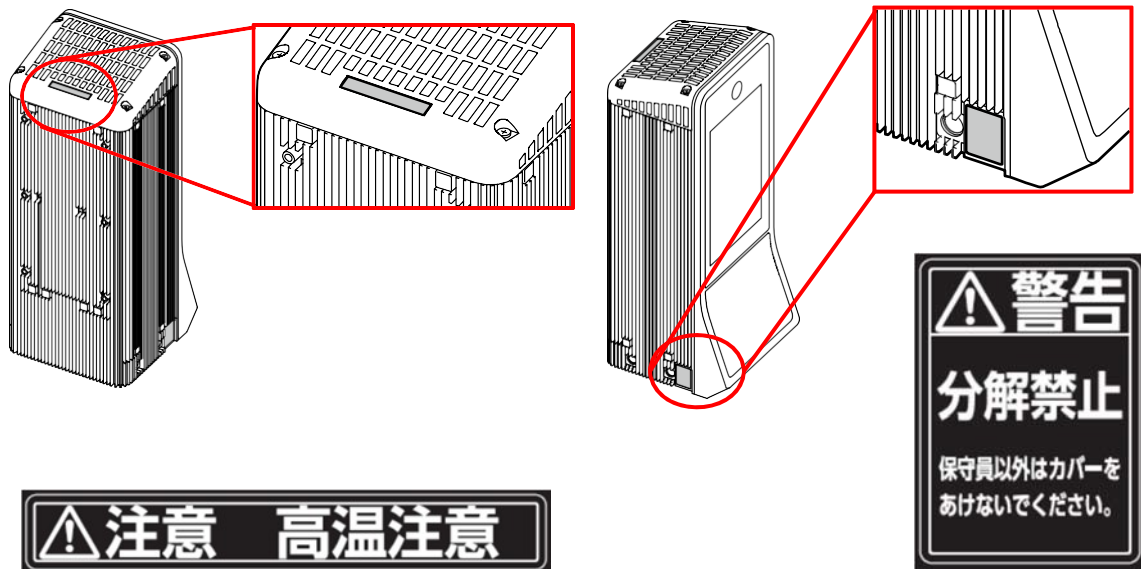
During operation

 Caution	
	High temperatures The upper part of NeoFace may become hot depending on ambient temperature. Touching the upper plate carelessly may cause burns.
	Avoid contact with NeoFace during thunderstorms When thunder can be heard, do not touch NeoFace including cables. Please do not connect or disconnect any equipment. Otherwise, this may cause electrical shock due to lightning.
	Do not place any object on top of NeoFace Placing objects may block the vents causing fire or failure of NeoFace.

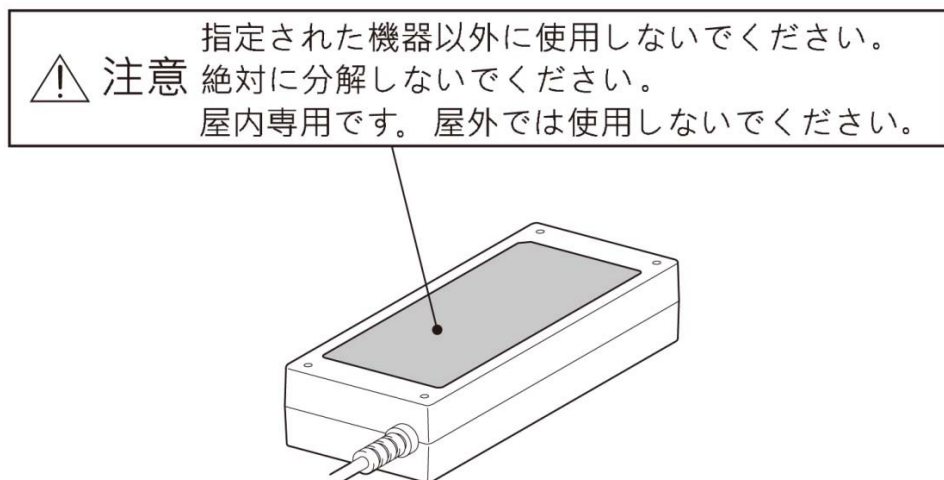
Warning Labels

Warning labels are attached on or near the components (These labels are either attached or printed on the components). These labels are to draw attention from users to potential hazards involved in handling the components (Do not remove or black out these labels and keep them clean). If no labels are attached or printed on the server, or if there is a label coming off or stained, contact your sales representative.

<NeoFace Access Control Unit>



<AC adapter>



Handling Precautions (For Proper Use of the NeoFace)

Be sure to observe the following precautions for the proper functioning of the server. Ignoring the precautions may cause server malfunction or failure.

- Turn OFF NeoFace and unplug the power plug from the outlet before moving NeoFace.
- Do not power OFF or reset NeoFace, or disconnect the power cord before POST completes.
- Wait for at least 60 seconds before connecting the power cord to the power outlet after disconnection of the power cord.
- After connecting the power cord to the power outlet, turn ON the power supply when 10 seconds or more has passed.
- Do not use the optional AC adapter outdoors without dust and water proof measures.
- When Windows such as POST and BIOS Setup does not operate, pressing and holding the POWER switch for a few seconds may restart NeoFace after turning OFF the power.
- If Jumbo Frame size is set to 9 KB in the LAN setting, expected communication performance may not be obtained depending on the operation status and network environment. If this happens, set Jumbo Frame size to 4 KB.
- For optional devices, we recommend you use NEC products. Even if third party's devices are successfully installed or connected, installation of unsupported devices can cause NeoFace to malfunction or even failure. You will be charged to repair failure or damage caused by use of such products even within warranty period.
- When removing and inserting USB devices maintain a reasonable interval (5 seconds or more).
- When USB keyboard and mouse are inserted while the power is ON, NeoFace requires few second to 10 seconds to recognize the devices.

The keyboard or mouse may not function properly if they are inserted and removed instantaneously. If the keyboard and mouse cannot be used properly, connect the keyboard and mouse and then restart NeoFace.

- Refer to chapter "Chapter 2 Installation and Connection" of this guide and install NeoFace at an appropriate location.
- Use the optional AC adapter after placing at a stable location. If the AC adapter is placed at an unstable place or left hanging, the may adapter may fall resulting in damage or failure.
- Do not use the AC adapter when condensation is present. Otherwise, the AC adapter may cause malfunction or fail.
- Maintain ambient conditions of (temperature: -20°C to 60°C, humidity: 5% to 95% (no condensation)) at the storage location.
- When NeoFace is stored for a long duration, please check the operations periodically.
- In the following cases, check and adjust the system clock before operation.
 - After transportation
 - After storage for a long duration
 - After disconnecting from the operation guaranteed environment (temperature: 5 to 45°C, humidity: 20% to 85% (no condensation)) and putting the access control device in a hibernation state.
- Please check the system clock about once a month. For systems that require high precision time, using the time server (NTP server) is recommended.
- Do not calibrate the touch panel from the OS. Otherwise the touch panel may not function properly.
- Please request the gate or door manufacturer to take adequate lighting surge measures for the power cord (Terminal 2 Pin).
- NeoFace is provided with Terminal 2 Pin connector and AC adapter for power supply. Use any of one of the connectors and do not use both the connectors at the same time.

- NeoFace service life is 7 years. Please refrain from using NeoFace beyond the service life. For more information on the effective service life, contact your sales representative.



Maintenance service

Maintenance personnel with expert knowledge have been arranged to provide periodic diagnostic and maintenance services for NeoFace. NEC recommends contract with a maintenance service company for periodic maintenance service to use NeoFace in the correct state.

Handling precautions (Technical laws and regulations)

Voluntary Control of Radio Interference

この装置は、クラスB機器です。この装置は、住宅環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。

取扱説明書に従って正しい取り扱いをして下さい。

VCCI — B

Harmonic compatible product

NeoFace conforms to the harmonic current standard JIS C 61000-3-2.

JIS C 61000-3-2 compliant products indicates that NeoFace has been designed and manufactured conforming to harmonic environmental target level for commercial electric power system based on the Japanese Industrial Standard "Electromagnetic compatibility (EMC)-Part 3-2: Limits for harmonic current emissions (equipment input current ≤ 20 A per phase)".

Products Complaint with the Guidelines on Static Electricity and Low Frequency Electromagnetic Field for Display Device

NeoFace is complaint with the guidelines (JEITA ITR-3003/ITR-3004) concerning static electricity and low frequency electromagnetic field of display device established by the Japan Electronics and Information Technology Industries Association.

Utilization of Electric Waves

NeoFace is an induction type read and write communication equipment that has received model designation based on the Radio Law. The frequency used is 13.56 MHz. Disassembling or remodeling of, or erasing the model number on NeoFace may be punishable by law. When using multiple reader/writers in the 13.56 MHz band, please provide a gap of 1 m or more between the units. Please ensure there are no other radio devices using the same frequency band nearby.

Radio Wave Protection

The radio wave output of NeoFace is lower than the reference value based on the "Radio Protection Standard (RCR STD - 38)" established by the Japan Radio Industry Association.

Authentication Display

If the certification display of NeoFace is hidden when embedding NeoFace in the customer's device, displaying the following two indications at a location that is easily visible is recommended.

"NeoFace has been designated by the Ministry of Internal Affairs and Communications as an inductive read and write communication device for high-frequency equipment"

"This device has acquired construction design certification based on the Radio Law (Technical conformity mark)".

Connection to Communication Lines

NeoFace has not acquired the technical standard compliance certification of terminal devices under the Telecommunications Business Act.

Please obtain prior permission for connecting to communication line equipment of telecommunications carriers (such as NTT). Ensure that the installation work is performed by qualified personnel (construction staff).

Using NeoFace Outside Japan

NeoFace has been designed with the assumption that it will be used in Japan and safety standards of various other countries have not been implemented. Therefore, if NeoFace is exported, NEC shall be exempt from any direct or indirect responsibility, even if fines and compensation are incurred due to import clearance and accidents in the said country.

Transportation on Aircraft and Ships

Lithium metal batteries are used in NeoFace. Regulations for air/ocean transportation apply when transporting lithium batteries. To transport NeoFace by aircraft or ship, please contact your sales representative.

Application of NeoFace

Do not use NeoFace for services related to human lives or when high reliability is required.

NeoFace is not intended to be used for control facilities or devices concerning human lives, including medical devices, nuclear facilities and devices, aeronautics and space devices, transportation facilities and devices; and facilities and devices requiring high reliability. NEC assumes no liability for any accident resulting in personal injury, death, or property damage if NeoFace has been used in the above conditions.

Transfer to Third Parties

Observe the following precautions if you want to transfer (or sell) NeoFace to a third party. Please hand over this document along when transferring (or selling) NeoFace to a third party.

Data in the fixed disk drive

Erasing all the data from the fixed disk drive mounted in NeoFace with the responsibility of the customer is very important when transferring NeoFace to a third party to ensure that the data (such as customer information and corporate accounting information) is not leaked to the third party.

Customers are requested to delete the data at their own responsibility.

When "Empty trash" operation or "Format" command of the operating system is used for deleting the data, the data appears to be deleted, but the actual data is still present in the fixed disk drive.

Data that has not been completely erased may be restored using special software and diverted to unexpected uses.

NEC strongly recommends customers to erase data securely by using commercially available erasing software (paid) or service (paid).

NEC shall not take the responsibility if important data is leaked during transferring (or selling) without erasing the data.

Bundled Software

Observe the following precautions when transferring the bundled software to a third party.

Transferor shall transfer all the bundled software and not hold any copies.

Assignment and transfer conditions listed in the "Software License Agreement" that comes with each software must be satisfied.

Bundled software that is not authorized for assignment and transfer must be uninstalled from the customer PC before handing over to the third party.

Disposal

NeoFace and auxiliary storage media

When discarding NeoFace and auxiliary storage media (SSD etc.), please contact your sales representative. Customers should ensure that the data stored in the auxiliary storage media cannot be restored, reproduced, or reused by a third party before disposing the media, and take adequate precautions to protect personal privacy and corporate confidential information.

- AC adapter and power cord

Please discard the optional AC adapter and power cord along with NeoFace to prevent diversion to other equipment.

- Lithium battery

Lithium batteries have been used in NeoFace. Placing the battery close to a fire or in the water may cause an explosion. When NeoFace does not operate properly because the lithium battery is dead, contact your sales representative without disassembling, replacing or charging the battery.

Privacy Policy

Please do not keep my number information in information processing terminals such as computers connected to NeoFace. If such information is discovered, providing maintenance support may not be possible.

Federal Communication Commission Interference Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution:

- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
- This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Industry Canada statement

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- 1) this device may not cause interference, and
- 2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- 1) l'appareil ne doit pas produire de brouillage, et
- 2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter, except tested built-in radios.

Cet appareil et son antenne ne doivent pas être situés ou fonctionner en conjonction avec une autre antenne ou un autre émetteur, exception faites des radios intégrées qui ont été testées.

Instructions Booklet of NeoFace Access Control

The instructions of NeoFace are provided as a booklet , as stored as an electronic manual  in the backup media .

	Startup guide	Explains step by step procedure from unpacking to operation of NeoFace. First, refer to the guide and understand the outline of NeoFace.
---	---------------	--

 Backup media

	User's Guide	
	Precautions for use	This section describes the information required to use NeoFace safely. <u>Be sure to read before handling NeoFace.</u>
	Chapter 1. Introduction	This section describes the outline, component name, and functions of NeoFace
	Chapter 2 Installation and Connection	This section describes the expansion of the options, connection with the peripheral devices, and appropriate installation location.
	Chapter 3 Operation	This section describes the usage method of the application, and various functions.
	Chapter 4 Others	This section describes the error messages, and recovery method of NeoFace.

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Notation

Symbols in the Text

3 types of symbols are used in this User's Guide in addition to the caution symbols described in "Symbols used in this document and on warning labels". These symbols have the following meaning.

	Indicates the instructions to be observed while handling the hardware and operating the software. When the given procedure is not followed, <u>serious problems such as hardware failure, data loss may occur</u> .
	Indicates the points to be checked while handling the hardware and operating the software.
	Indicates information that is helpful and useful.

Operating System Notation

In this guide, the following notations are used for Windows operating system.

Notations Used in This Guide	Name of Windows OS
Windows 10	Windows 10 IoT Enterprise 2016 LTSC (64-bit version)

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- EDK/EDKII
- UEFI NETWORK STACK II and iSCSI
- Crypto package using WPA Supplicant

Part of Neoface (offline tool) includes open source software of the following license.

- EDK/EDKII

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UEFI NETWORK STACK II and iSCSI

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Last updated 21 September 2017

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- base64

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- 1 If you find any mistakes in this guide, missing descriptions, please contact your sales representative.
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- 3 The sample values used in the description of this guide are all fictitious.
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- 5 The contents of this User's Guide are subject to change without prior notice.
- 6 The diagrams used in this document are from products that are under development and may differ from actual products.

Please read this guide thoroughly before using and fully understand the handling of NeoFace. Please keep this guide handy to be referred when needed.

User's Guide

This User's Guide is based on information as on the date of preparation, and the screen images, messages, and procedures may differ from the ones used.

The latest version of the User's Guide will be uploaded to the following website when the User's Guide is updated and can be downloaded from this site.

<http://jpn.nec.com/iot/platform/nfaccess/index.html>

NeoFace Access Control

1

Introduction

This section describes the information required when introducing NeoFace.

1. Component

This section describes the components of NeoFace.

2. Options

This section describes the options of NeoFace.

3. Main Unit Description

This section describes the outline, buttons, and lamps of NeoFace.

4. Basic Operations

This section describes the operations methods (key board and card reader) of NeoFace.

5. Maintenance

This section describes the cleaning, maintenance and replacement method for NeoFace.

1. Components

The components of NeoFace are as follows.

Please store these components in a safe place as they are necessary for setup and maintenance. If there are any defective or missing components, please contact your sales representative.

Product name	Quantity
NeoFace Access Control (This product)	1
Warranty card	1
Startup Guide	1
Backup media	1
Recovery Disc	1
OS License Agreement (Windows10 IoT Enterprise2016 LTSC)	1
OS License Agreement (WindowsPE for Windows10)	1
Tie wrap	2
Setting value check sheet	1
Default password notice	1
Application media	1
Application procedure guide	1

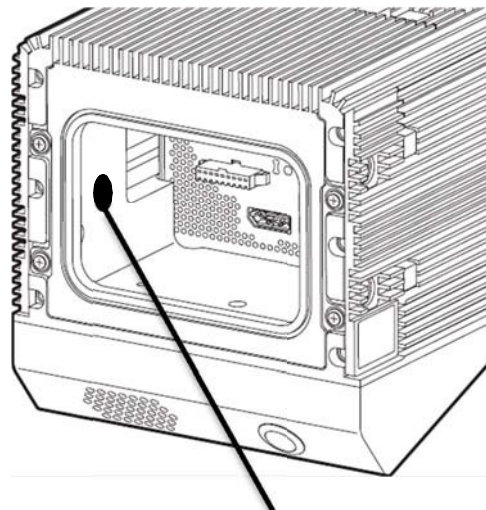


Name plate label stating the product serial number is affixed on the product.

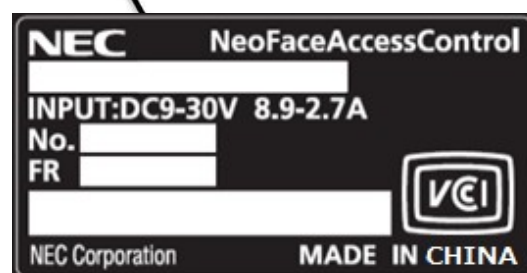
Please check if the serial number on the nameplate label matches with the number on the warranty card.

If the numbers do not match, there is a possibility that you may not be able to claim guarantee even the product fails within the warranty period.

If the numbers do not match, contact your sales representative.



Name plate label



The 7 digits after the No. is the serial number

2. Options

The options of NeoFace are as follows.

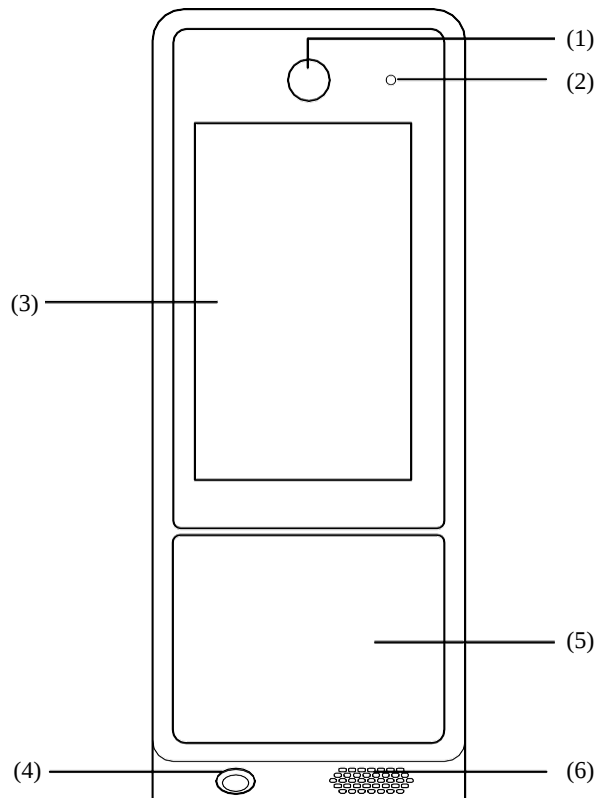
This data is as of January 2018. Please check with your sales representative at the time of purchase

Model name	Product name	Notes
N8775-0301	AC adapter	AC adapter to connect to NeoFace 150 W AC adapter Input voltage AC 100-240V±10%、50/60Hz±3Hz Output voltage DC 12V, 12.5A(MAX) External dimension W 170mm, D 85mm, H 40mm; Weight 800g Accessory 100 V AC power cord (2m), clip to hold the power cord
N8775-0302	LCD anti-reflection film	Anti-reflection film to be affixed to LCD of NeoFace
N8775-0303	Dust proof and drip-proof filter	Filter that prevents dust and water from entering NeoFace
UL1589-001	NeoFace Access Control Manager	The manager is used when using six or more units of NeoFace. Software for centralized management of face information and user management databases of the terminal from the management server. Support target OS Windows Server 2016

3. Main Unit Description

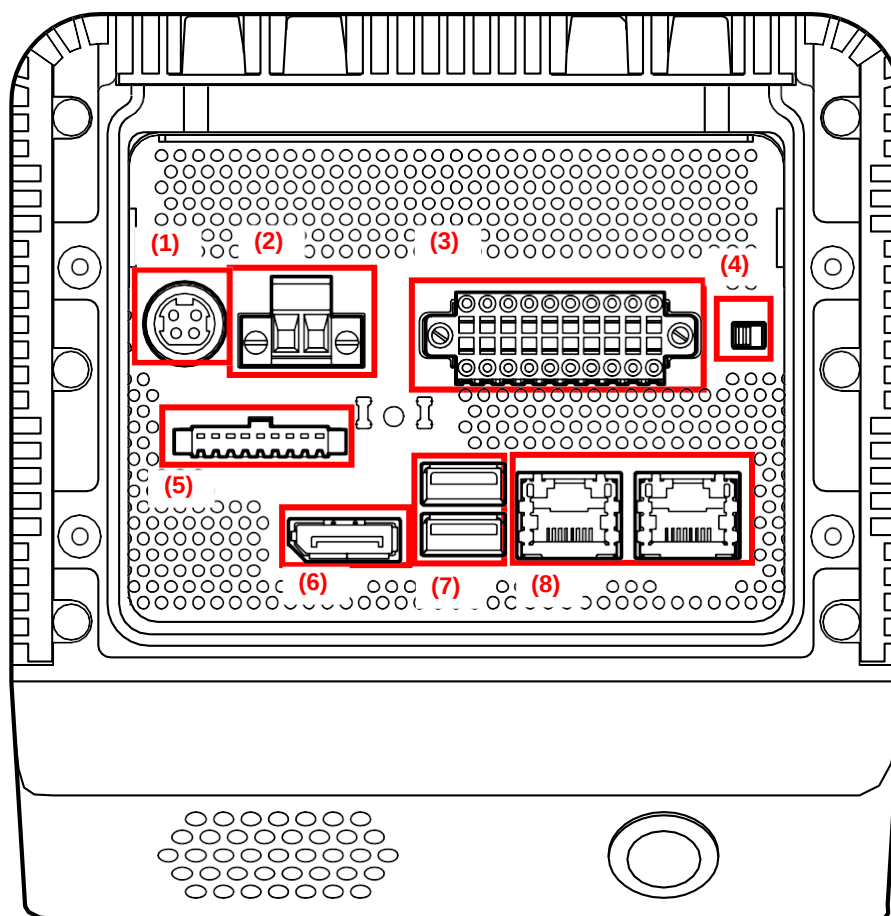
This section describes the component names.

3.1 Front of the Unit



- | | |
|--|---|
| (1) Camera
Takes pictures for facial recognition. | (5) Card Reader
Wireless communication of the device is possible with NFC Type A/F compliant devices. |
| (2) POWER Lamp
Lights up in green when the power is turned ON. | (6) Speaker
Outputs sounds such as start, operation, and beep. |
| (3) LCD Display with Touch Panel
You can operate by touching the screen. | |
| (4) POWER Switch
Switch to turn the power ON/OFF. When pressed once the POWER lamp lights up in green and NeoFace is now in the POWER ON state.
(After turning OFF the power supply, please wait for 5 seconds or more before turning ON the power supply again.) | |

3.2 Back of the Unit



- (1) **Connector for AC adapter (1 No) *1**
Power supply connector for AC adapter.
Connected to the optional AC adapter of NeoFace.

- (2) **Power source connector (1 No) *1**
Power supply connector for Terminal 2 Pin.

Can be connected to the power supply equipment.

- (3) **DI/DO connector (1 No)**
Connector compatible with Digital INPUT(DI) x4 / Digital OUTPUT(DO) x4
Can be connected to the devices compatible with contact connection.

- (4) **DI/DO switching switch (1 No)**
Switch that switches between the internal power supply (INT_VCC) or external power supply (EXT_VCC) of the digital input. Set with internal power supply (INT_VCC) on the right and external power supply (EXT_VCC) on the left.

- (5) **Unused connector (1 No)**
Cannot be used with NeoFace.
Do not connect anything.

- (6) **Display connector (DP) (1 No)**
Connector compatible with display port standards.
Connecting to display complaint to display port standard is possible.

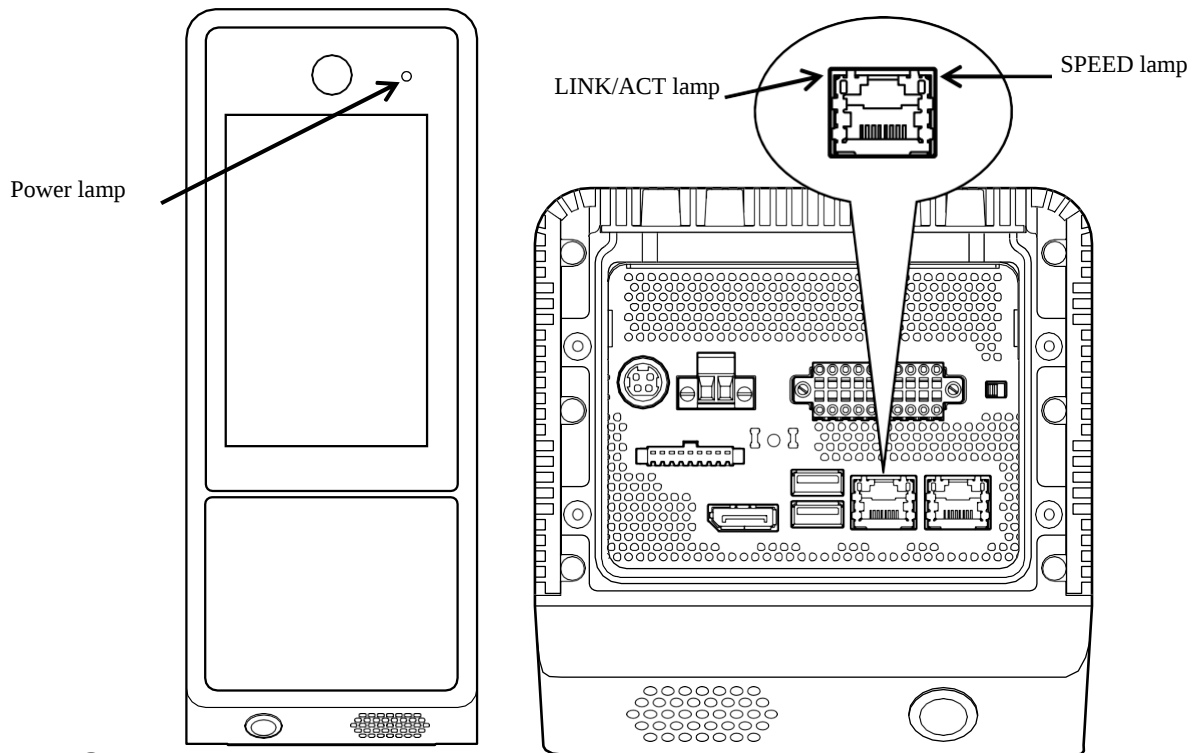
- (7) **USB connector (2 Nos)**
Connector compatible with USB 3.0. Can be connected to a USB device.
Lower side is USB 1 and upper side is USB 2.

- (8) **LAN connector (2 Nos)**
LAN connector compatible with 1000BASE-T/100BASE-TX/10BASE-T.
Right side is LAN1 and left side is LAN2.

*1 Only one out of two the connectors of (1) and (2) can be used. Both cannot be used at the same time.

3.3 Lamp Indication

The lamp indication of NeoFace and meaning are as follows.



3.3.1 POWER Lamp

Lights up in green when the power is turned ON.

If "System Hardware" - "Power LED Control" in the BIOS setup menu is changed to "Disabled", the lamp will always be lit in green when the power is connected.

3.3.2 LINK/ACT Lamp

This lamp represents the state of the standard LAN port. When power is supplied to NeoFace and hub, and they are connected correctly, the LINK lamp lights in orange color. ACT lamp flashes in orange color when the port is transmitting or receiving.

If the lamp is not turned ON even in the LINK state, check the status of the network cable and connection with the hub.

3.3.3 SPEED Lamp

Indicates at which standard the LAN port communication mode is operating.

The LAN port supports 1000BASE-T (1Gbps), 100BASE-TX (100Mbps) and 10BASE-T (10Mbps) and the display changes according to the mode as follows.

- Orange light: Operates at 1000BASE-T
- Green light: Operates at 100BASE-TX
- Light off: Operates at 10BASE-T

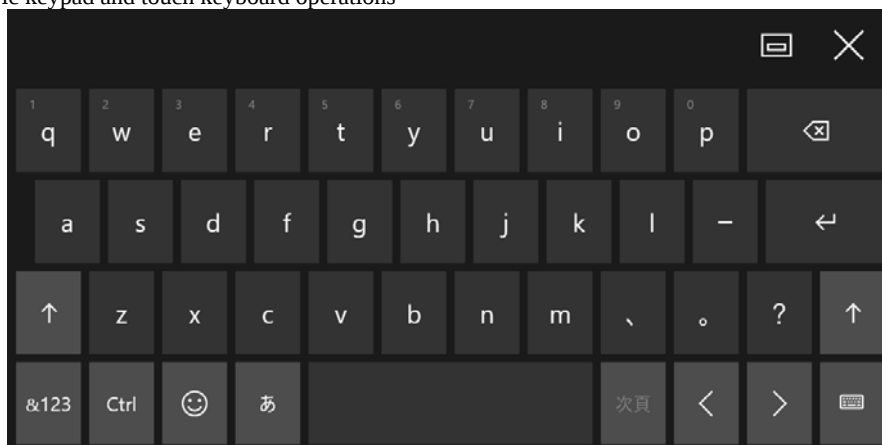
4. Basic Operations

Operation is performed using the touch panel at the front of NeoFace.

By directly touching the operation screen displayed on the monitor with your finger etc., you can click the buttons or enter characters using the touch keyboard.

Touch the keyboard icon at the bottom right of the screen to display the touch keyboard.

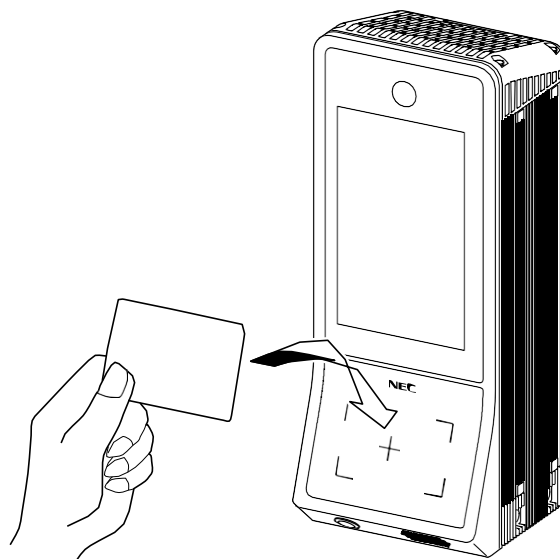
● Numeric keypad and touch keyboard operations



Touch the field you want to input on the screen and enter numbers and characters.

● Card Reader

A card that is compatible with the built-in card-reader will be read if you hold the card at the front of NeoFace. NeoFace supports NFC Type-A and NFC Type-B.



5. Maintenance

(1) Instructions for Cleaning

Except for the interface, AC adapter, power cord and labels, NeoFace can be cleaned with the following alcohol and detergents.

- Ethyl alcohol
- Isopropyl alcohol
- Neutral detergents

Please dilute and use.

After cleaning with neutral detergent, please wipe with water.

Do not use the following agents as damage such as cracks, deformation, discoloration, fading of print, and paint peeling of the case may be caused.

- Acidic detergents
- Alkaline detergents
- Organic solvents such as thinner and benzine
- Detergent with abrasives (including neutral detergents)
- Commercially available wet tissues

(2) Maintenance and Cleaning Method of Touch Panel

Turn OFF the power to NeoFace and wipe gently with a dry cloth or a cloth soaked in ethyl alcohol, isopropyl alcohol or a neutral detergent that does not contain abrasives.

After cleaning with neutral detergent, please wipe with water.

Once NeoFace is clean, wipe again gently with a dry and clean cloth. Rubbing strongly may cause scratches on the surface.

Clean diagonally across the touch panel. Wiping along the sides may damage the touch panel.

(3) Replacement of Dust Proof and Drip-proof Filters

When high-temperature alarm notification is displayed frequently, dust proof and drip-proof filter must be replaced.

Replacing the filter once in 12 months is recommended.

To replace the filter, contact your sales representative.

NeoFace Access Control

2

Installation and Connection

This section describes the installation method and precautions for using NeoFace safely.

1. Flow Up to the Start of Operations

This section describes the necessary steps to start the operations of NeoFace.

2. Items Necessary for Installation

This section describes the gate and pole recommended for NeoFace and the parts necessary for installation.

3. Installation Method

The section describes the installation method and environment for NeoFace.

4. Connections

The section describes how to connect the peripheral devices necessary to start the operations of NeoFace.

5. Setup

The section describes how to start NeoFace after the installation is complete.



Be sure to read the startup guide provided with the device and the "Precautions for use" section of this guide. This "Precautions for use" section describes precautions required to use NeoFace safely and properly.

1. Flow Up to the Start of Operations

When using for the first time, complete the following preparatory steps.

Work sharing depends on the agreement between the customer and installing agency.

- (1) Connect the necessary cables.
- (2) Install NeoFace
- (3) Turn ON NeoFace
- (4) Default settings
- (5) Register face information
- (6) Start the operations

2. Items Necessary for Installation

Before installing Neoface, make sure that the following items are kept ready as required. Except for the supplied accessories, the following commercially available items must be arranged by the customer or installing agency.

Parts shall be arranged by either the customer or installing agency depending on the agreement between them.

- External PC
- External display
- USB keyboard
- USB mouse
- USB DVD-ROM
 - Router
- Hub (STP compatible)
- LAN cable Cat5e STP
- Connection cable for DIDO connector *1
- Connection cable for power supply connector (Terminal 2 Pin) *1

*1 For cables to be used, please contact the installing agency, wiring contractor, or vendor of the gate to be connected.

3. Installation Method

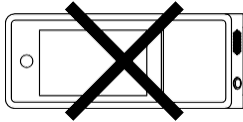
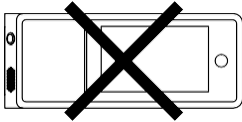
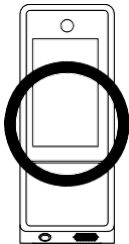
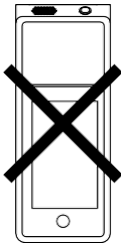
3.1 Installation Conditions

Please pay attention to the following points, especially to use NeoFace safely.

(1) Installation Direction Conditions

Installation direction should be as shown in the following diagram.

* Please be sure to read "Precautions for use" before using NeoFace.

Horizontal installation		Vertical installation	
			
Prohibited	Prohibited	Possible	Prohibited



If installed in a prohibited direction, then NeoFace may fail.

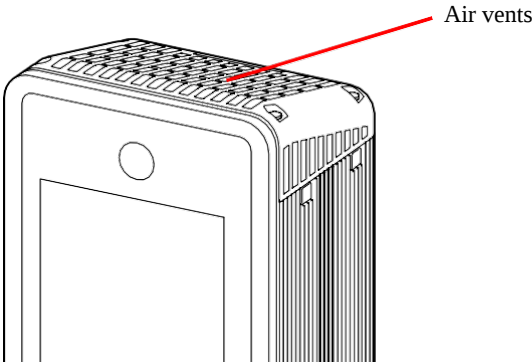
(2) Ventilation

There are air vents at the top of NeoFace. Do not place any objects on NeoFace. If objects are placed, then NeoFace may fail.

**Caution**



Do not place any object on top of NeoFace.
Placing objects may block the vents causing fire or failure of NeoFace.



(3) Installation Environmental Conditions

Places suitable for the installation of NeoFace is as follows.

NeoFace can be used under the following installation environment conditions.

NeoFace is recommended to be installed such that there is no reflection on the camera image due to sunlight, sunset, and ceiling lamps.

Items	Installation Environmental Conditions
Ambient temperature	5 to 45°C
Storage temperature	-20 to 60°C
Ambient humidity (non-condensing)	20 to 85%
Storage temperature range	5 to 95%
Air borne dust	Should not be too dusty [0.3mg/m ³] JEITA IT-1004 A class B Conductive and hygroscopic dust should not be present IP54 compatible *1
Corrosive gas	Should be an environment gas is not detected JEITA IT-1004 A class A
Earthquake resistance	Continuous 2.0m/s ² Short time 4.9m/s ² JEITA IT-1004 A classB
Impact resistance (XYZ)	Electricity ON 19.6 m/s ² Electricity OFF 98 m/s ²
Power supply voltage	AC100 to 240V ±10% (AC90 to 264V) ※2
Power supply frequency	50 / 60 Hz ± 3Hz
Power supply noise	1kVP-P 50ns to 1μs pulse
Insulation resistance	30MΩ (DC500V)
Insulation withstand voltage	3.0 kV AC 1 minute
Leak current	Less than or equal to 1mA
Electrostatic yield strength	±6 kV (Contact discharge), ±8 kV (Air discharge)
Momentary power failure	Less than or equal to 30ms (at rated voltage)
Grounding	Class D
Others	IP54 compatible *1

*1 Do not use the optional AC adapter outdoors without dust and water proof measures.

When using the AC adapter outdoors, take adequate measures such as placing in a dust proof/waterproof cabinet avoiding exposure to direct sunlight and rainwater.

*2 The power cord that is connected to the optional AC adapter cannot be plugged into the 200 V AC electric outlet.

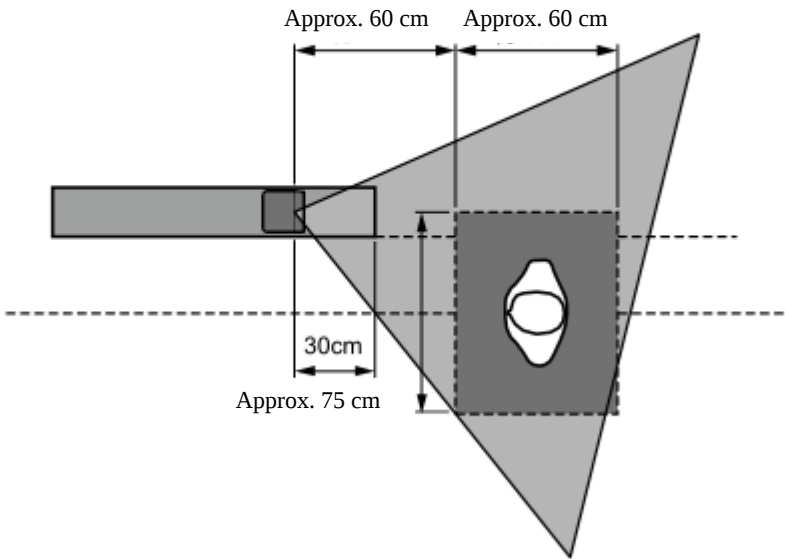
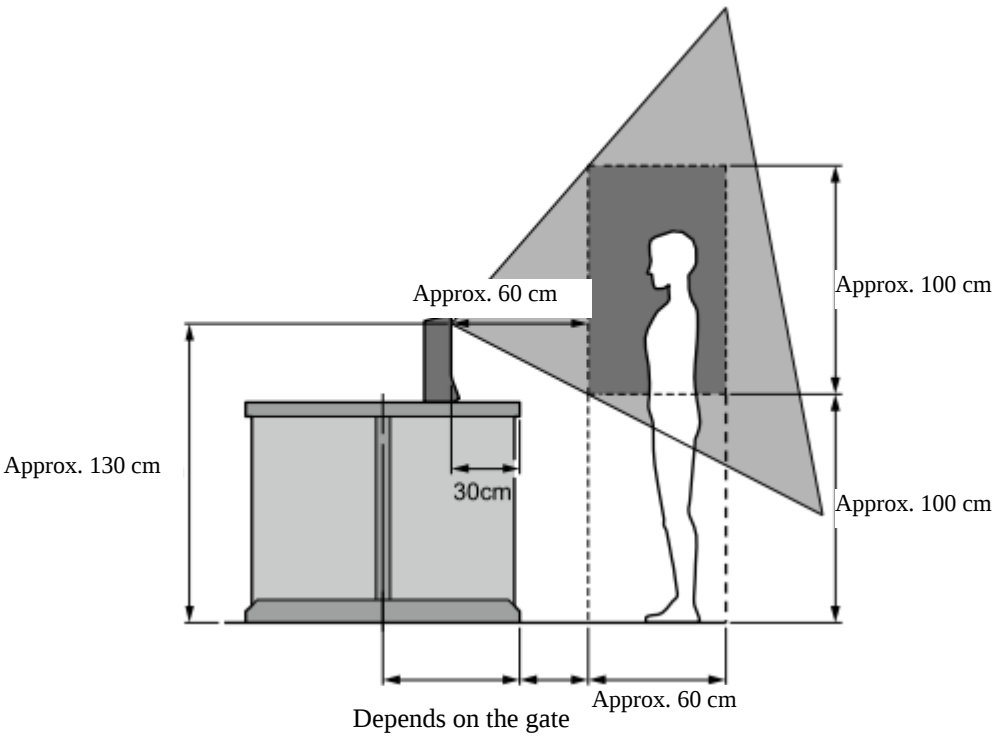
Connect to a 100 V AC outlet.

3.2 Recommended Installation Location

NeoFace is provided with recommended authentication area because of its use as a facial recognition terminal. Facial recognition can be performed smoothly by installing NeoFace with reference to the figure below.



If installed in a prohibited direction, then NeoFace may fail.



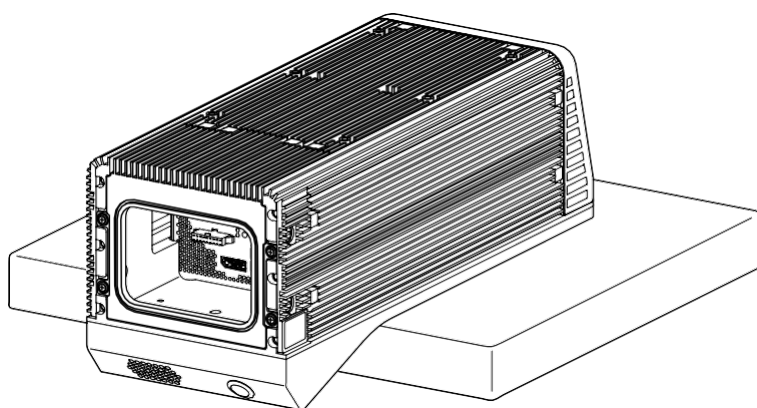
4. Connections

Connecting the peripheral equipment to NeoFace. Connectors to which various peripheral devices can be attached are provided in NeoFace.

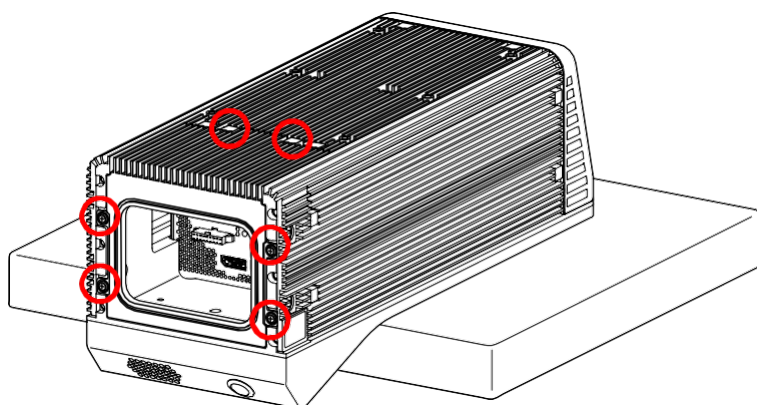
4.1 Bottom Panel

When connecting cables and connectors, remove the bottom panel with the following procedure. Wiring of the cables connected to the bottom of the main unit should be done after passing through the holes of the body panel removed beforehand.

1. To prevent damage to NeoFace or LCD, place the body with the front side down on a flat soft object



2. Remove the six screws that secure the bottom panel and remove the bottom panel
* The screws at the back side are covered with rubber covers. Remove the rubber covers and then loosen the screws.
Hex driver is required to remove the screws on the back panel, and plastic screwdriver is required to remove the screws at the bottom.

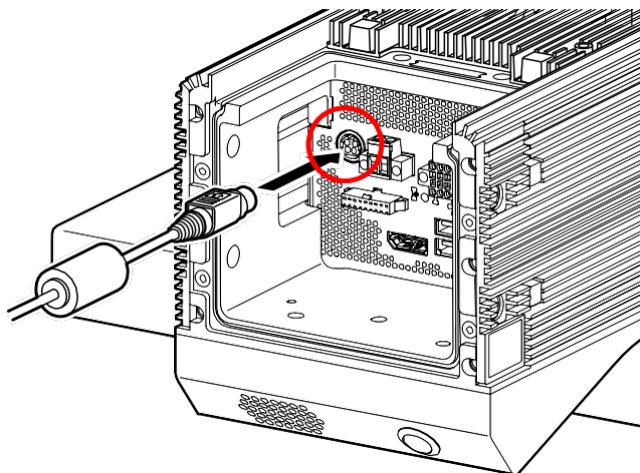


3. After connecting the peripheral devices, attach the bottom panel in the reverse order of removal.

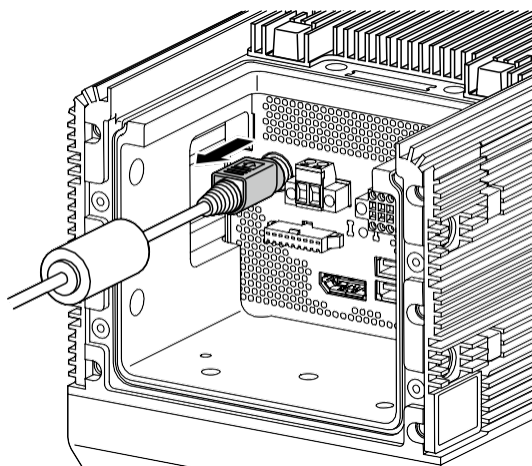
4.2 AC Adapter

Connect the AC adapter to NeoFace.

Pay attention to the plug orientation and connect the AC adapter

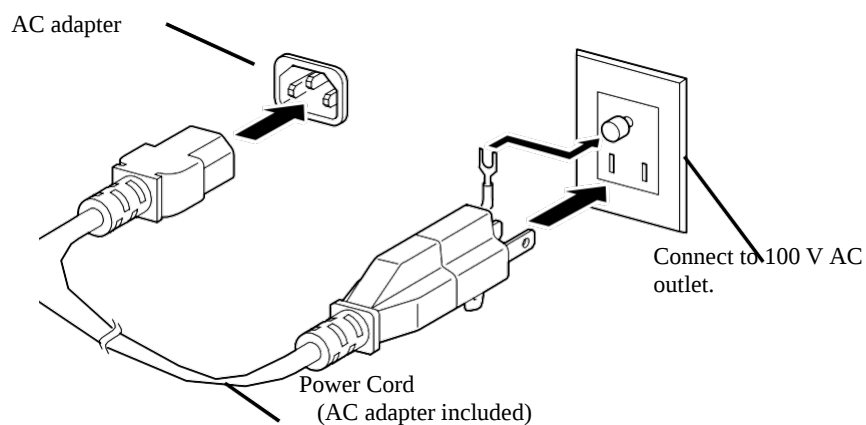


* When removing the plug of the AC adapter from the main unit, pull the plug of the connector towards you as shown in the following figure, and before pulling, ensure that the lock has been released.



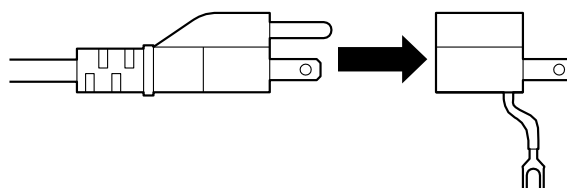
4.3 Power Cord

Connect the supplied power cord to the AC adapter.



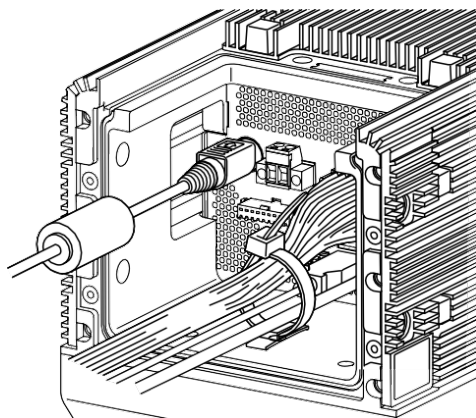
The power turns on automatically immediately ON connecting the power cord and then automatically turns OFF after a few seconds.

* Remove the conversion adapter when plugging into an outlet of 3-pin power plugs.



4.4 Tie Wrap

After connecting the tie wrap, connect the interface cables.



4.5 Interface Cable

After connecting the interface cable, connect the power cord.

Take the following precautions while connecting.

- Use shielded cable for LAN and USB cable,
- Please ensure that the plugs of the power cord are not pressed.

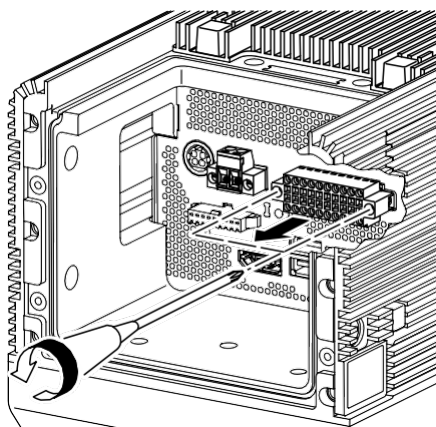
4.6 DIDO Connector

When using digital input and output, connect the cables following the procedure given below.

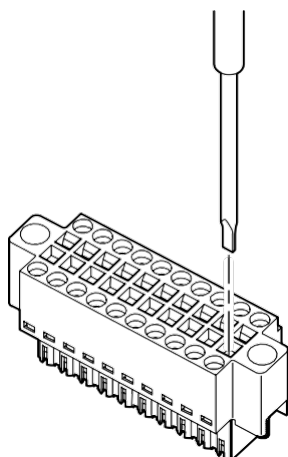


When connecting to the gate, connect to the D 02 pin.

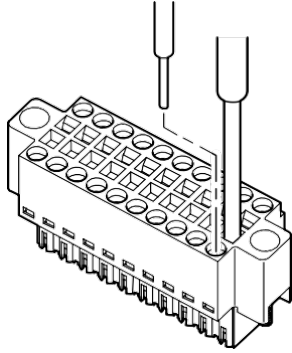
1. Remove the DIDO connector from the main unit



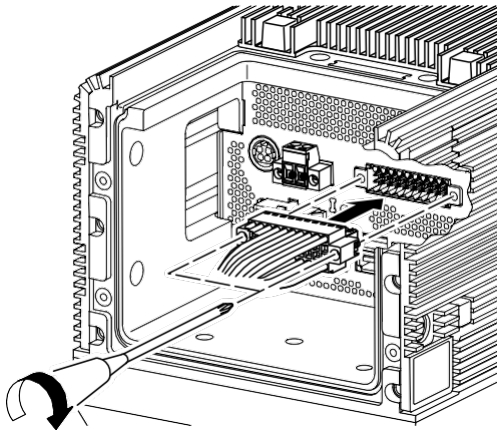
2. When a minus precision screwdriver is inserted into the hole of the square □ opening adjacent to the terminal to which must be attached, then the connection terminal opens.



3. Keeping the minus precision screwdriver inserted, insert the cable into the open connection terminal all the way to the bottom end of the connection terminal.



4. Remove the minus precision screwdriver
The connection terminal is closed and the cable is fixed.
5. Attach the connector to which the cable is connected to NeoFace.

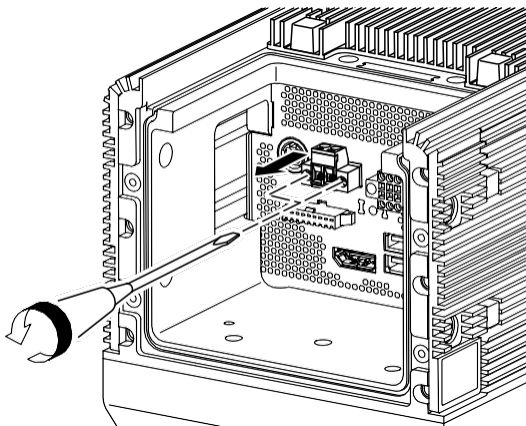


4.7 Power Supply Connector

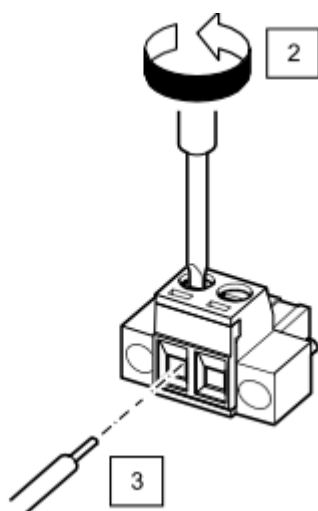
Follow the procedure given below to connect the cables when using the power supply connector (Terminal 2 Pin).

* The DC power source should have double/reinforce insulation before connecting to EUT.

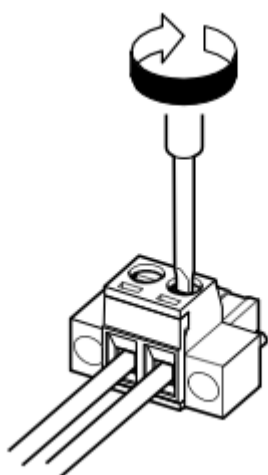
1. Loosen the left and right screws and remove the power supply connector (Terminal 2 Pin) from the main unit.



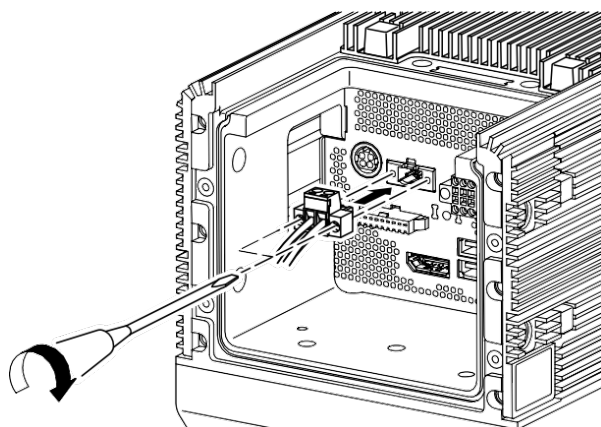
2. The connection terminal whose screw at the top has been loosened will open.



3. Insert the cable into the connection terminal
Insert the cable all the way into the bottom end of the connection terminal.



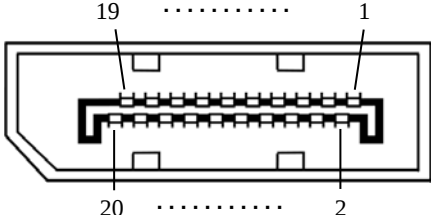
4. Tighten the screw located at the top of the connection terminal
The connection terminal is closed and the cable is fixed.
5. Attach the connector to which the cable is connected to NeoFace.



(1) DisplayPort

(1) DisplayPort

(1) DisplayPort

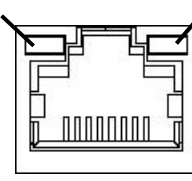
Terminal number	Signal name	Pin connection
1	Lane0+	
2	GND	
3	Lane0-	
4	Lane1+	
5	GND	
6	Lane1-	
7	Lane2+	
8	GND	
9	Lane2-	
10	Lane3+	
11	GND	
12	Lane3-	
13	GND	
14	GND	
15	Aux+	
16	GND	
17	Aux-	
18	HPD	
19	GND	
20	3.3V	

(2) USB 3.0 interface

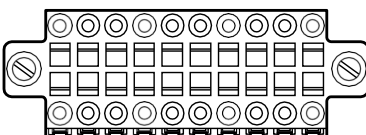
Terminal number	Signal name	Pin connection
1	+5V	
2	D-	
3	D+	
4	GND	
5	StdA_SSRX-	
6	StdA_SSRX+	
7	GND	
8	StdA_SSTX-	
9	StdA_SSTX+	

(3) LAN interface (1000BASE-T)

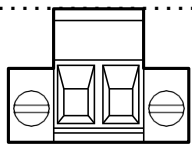
Connector: RJ45

Terminal number	Signal name	Pin connection
1	MDI0+	LINK / ACT LED 1000 / 100 / 10 LED  8 ... 1
2	MDI0-	
3	MDI1+	
4	MDI1-	
5	MDI2+	
6	MDI2-	
7	MDI3+	
8	MDI3-	

(4) DIDO Interface

Terminal number	Signal name	Pin connection
1	Reserve	 11 20 1 10
2	Reserve	
3	DO2+	
4	D_GPO2	
5	Reserve	
6	Reserve	
7	Reserve	
8	Reserve	
9	Reserve	
10	GND	
11	Reserve	
12	GND	
13	Reserve	
14	GND	
15	Reserve	
16	GND	
17	EXT_PWR	
18	GND	
19	None	
20	None	

(5) Power connector (Terminal 2 Pin) interface

Terminal number	Signal name	Pin connection
1	GND	2 1 
2	DC_IN	

5. Setup

Three system configurations are possible with NeoFace Access Control.

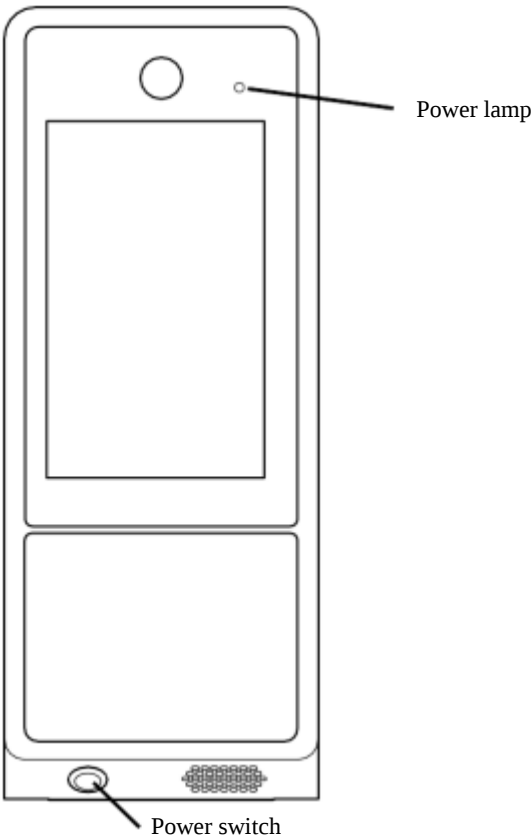
The maximum number of registrants for each configuration and terminals used for registration of persons entering and exiting are as shown in the table below.

	Maximum number of registrants *Default user (Including NFAC administrators)	Terminals that registers persons entering and exiting
(1) NeoFace Access Control 1 unit operated	5000 people	NeoFace Access Control (master)
(2) NeoFace Access Control 2 to 5 units operated (Master / slave configuration)	5000 people	NeoFace Access Control (master)
(3) NeoFace Access Control Manager – NeoFace Access Control (to 100-unit configuration)	10000 people	NeoFace Access Control Manager * Batch registration is possible

The following method is used to turn ON the power supply.

Check that the AC adapter is properly connected and then press the power switch at the lower front side of NeoFace.

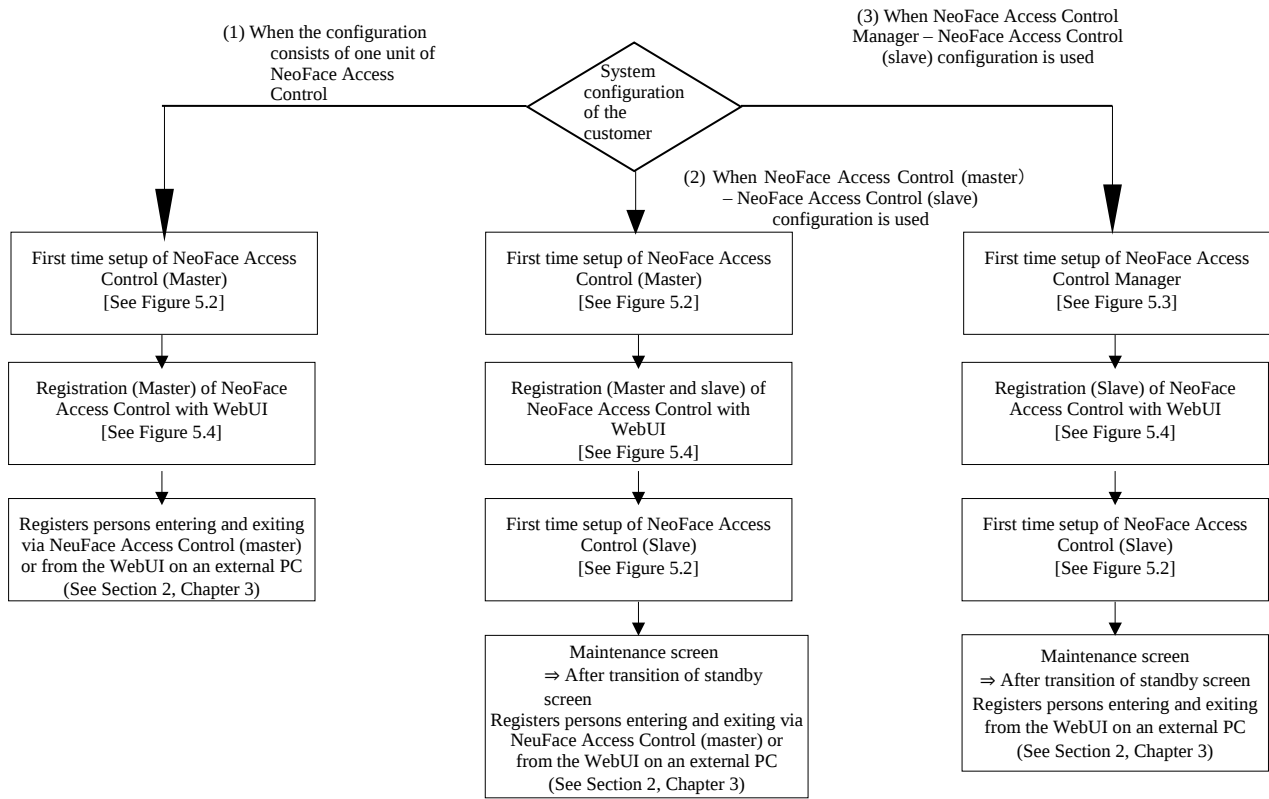
When the power supply is ON, power indicator lights up in green.



5.1 Setup Flow

Describes the setup flow for each configuration.

Please perform the setup according to the system configuration used by the customer.



5.2 Initial Setup

During factory shipment and when the recovery disc is used, the following screen is displayed after OS start-up and then the initial setup screen will be displayed.

Initial setup must be done with the network (LAN cable) connected.

Connect the LAN cable to the LAN 1 port of NeoFace Access Control.

* If the customers want to change the system configuration after completion of initial setup, NeoFace must be returned to the factory shipment state using the recovery disc and this procedure must be performed again.

5.2.1 Computer Name Setting

Setting the computer name.

Please enter the computer name.

By default, "NFAC - <part of MAC address>" is entered.

* The computer name can be up to 15 characters, "-" (cannot be set at the end or beginning)". Touch the "Next" button after completing the input.

5.2.2 Time Setting

Setting the time.

- To synchronize with Internet time server

Select "Synchronize with Internet time server" and then enter the server name.

* The server name can be input up to 64 characters, "-" (cannot be set at the beginning)".

- When not synchronizing with Internet time server

Select "Do not synchronize with Internet time server".

The current time is automatically input, please correct only if necessary. Touch the

"Next" button after completing the selection and input.

5.2.3 Network Settings

Setting the network.

- To acquire the IP address automatically, select "Obtain IP address automatically".
- To set the IP address manually, select "Use the following IP address", and enter the IP address, Subnet mask, and Default gateway.
- To acquire the DNS server address automatically, select "Obtain DNS server address automatically".
- To specify the DNS server address, select "Use the following DNS server address", and enter IP address of primary DNS server and secondary DNS server.

Touch the "Next" button after completing the selection and input.

NeoFace Access Control

ネットワーク設定を行い、「次へ」ボタンを押してください。

☒ IPアドレスを自動的に取得する

☐ 次のIPアドレスを使う

*IPアドレス . . .

*サブネットマスク . . .

*ゲートウェイ . . .

☒ DNSサーバのアドレスを自動的に取得する

☐ 次のDNSサーバのアドレスを使う

*優先DNSサーバ . . .

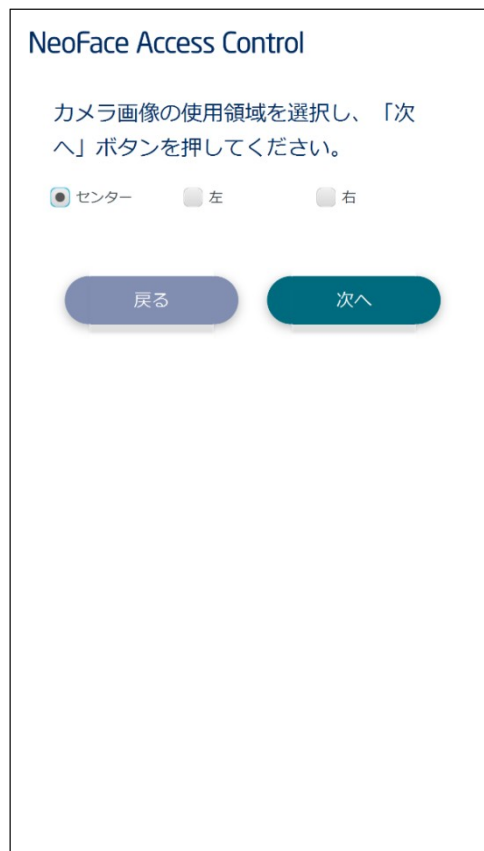
*代替DNSサーバ . . .

5.2.4 Usage Area Setting for Camera Image

Setting the camera image usage area.

- When the camera is facing the front towards the terminal, select "Center".
- When the camera is facing left towards the terminal, select "Right".
- * "Left" setting is not used and should not be selected.

Touch the "Next" button after completing the selection.



5.2.5 Linked System Setting

Settings for the linked system.

- If you do not want to link any system linkage, select the option "No".
- To link with Safeware / SecureFrontia system, select "Yes" and select the system to be linked.

Enter the IP address of the system to be linked and select the "Safeware / SecureFrontia" terminal that is connected as "parent machine" or "Child machine".

Touch the "Next" button after completing the selection and input.



The image shows a screenshot of the 'NeoFace Access Control' system linkage setting screen. The title is 'NeoFace Access Control'. Below the title, there is a instruction in Japanese: 'システム連携設定を行い、「次へ」ボタンを押してください。' (Perform system linkage settings and press the 'Next' button). The screen contains three main settings: 'システム連携' (System Linkage) with radio buttons for 'しない' (No) and 'する' (Yes); '連携システム' (Linkage System) with a dropdown menu; '連携システムIP' (Linkage System IP) with a text input field; and '親機/子機' (Parent/Child Machine) with a dropdown menu. At the bottom, there are two buttons: '戻る' (Back) and '次へ' (Next).

NeoFace Access Control

システム連携設定を行い、「次へ」ボタンを押してください。

システム連携 ☒ しない ☐ する

*連携システム

*連携システムIP

*親機/子機

戻る 次へ

5.2.6 Settings of Connected Gate and Door

Setting of gate and door to be connected.

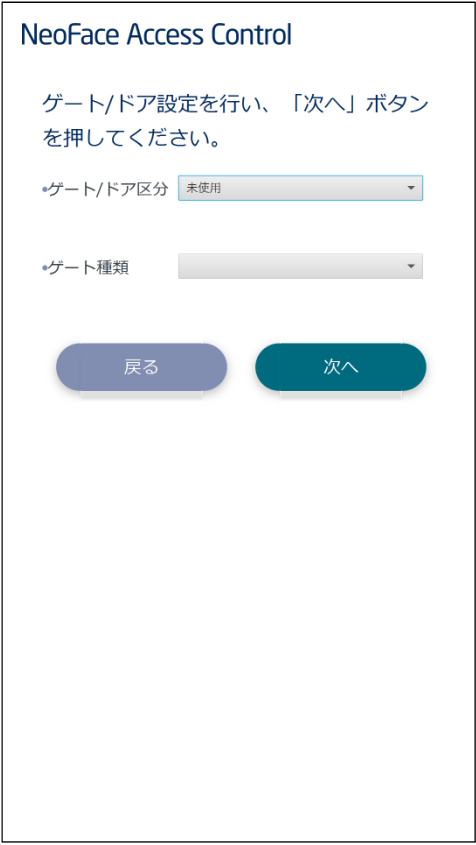
Set the gate and door classification.

- In the case of not connecting anything, select "Not used".
- When connecting to the gate, select "Gate".

Setting the gate type (gate manufacturer).

Please select the gate manufacturer to connect with the gate type.

Touch the "Next" button after completing the selection.



The screenshot shows a mobile application interface titled "NeoFace Access Control". Below the title, there is a Japanese instruction: "ゲート/ドア設定を行い、「次へ」ボタンを押してください。" (Set the gate/door and press the "Next" button). There are two dropdown menus: the first is labeled "ゲート/ドア区分" (Gate/Door Classification) and has "未使用" (Not used) selected; the second is labeled "ゲート種類" (Gate Type) and is currently empty. At the bottom, there are two buttons: a light blue "戻る" (Back) button and a dark blue "次へ" (Next) button.

5.2.7 Card Reader Settings

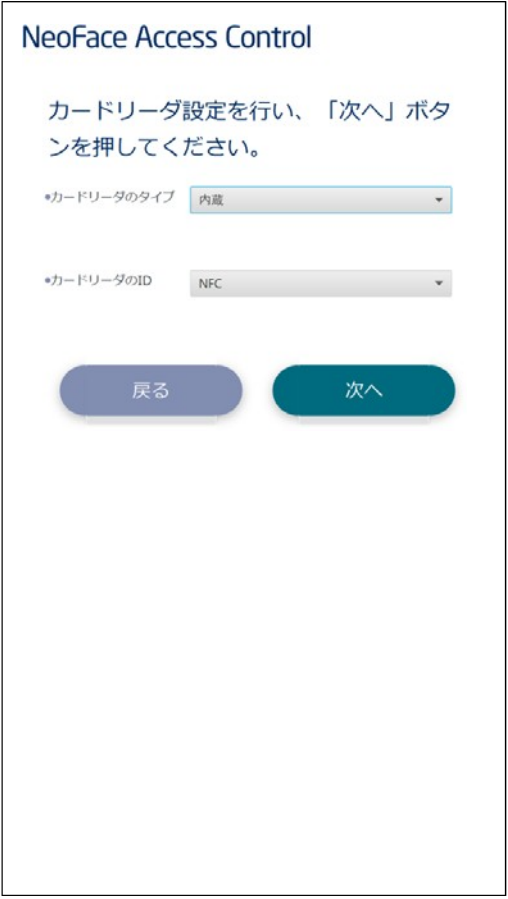
Setting the card reader.

Setting the type of card reader.

- In the case of not using the card reader, select "Not used".
- To use the internal card reader, select "Internal".
- To use an external card reader, select "External".
 - * When using an external card reader other than Safeware / SecureFrontia, please contact your sales representative as separate response is required.
 - * When using the following authentication mode (refer to 5.4.2, Chapter 2), do not set card reader type as "Not used".
 - Face and card linked authentication (walk-through)
 - Face and card authentication
 - Card authentication

Select the ID (NFC / FelicaD / FelicaS / QR / SAFEWARE / SECURE_FRONTIA) of the card reader to be used.

Touch the "Next" button after completing the selection and input.



The screenshot shows the 'NeoFace Access Control' settings screen. At the top, the title 'NeoFace Access Control' is displayed. Below it, a message in Japanese says 'カードリーダー設定を行い、「次へ」ボタンを押してください。' (Set the card reader and press the 'Next' button). There are two dropdown menus: the first is labeled 'カードリーダーのタイプ' (Card reader type) and is set to '内蔵' (Built-in); the second is labeled 'カードリーダーのID' (Card reader ID) and is set to 'NFC'. At the bottom, there are two buttons: '戻る' (Back) in a light blue rounded rectangle and '次へ' (Next) in a dark blue rounded rectangle.

5.2.8 Master and Slave Settings

Setting the master and slave settings for Neoface Access Control

- Select the "Master" option to use as a master terminal (used for registering user information).
- If a different master machine (or NeoFace Access Control Manager) is used for registration of end-users, then please select the "Slave" option.

Please enter the network address for connecting NeoFace.

Touch the "Next" button after completing the selection and input.

NeoFace Access Control

マスタ/スレーブ設定を行い、「次へ」ボタンを押してください。

☐ マスタ
本機を利用者情報登録で使う場合に選択します

☒ スレーブ
利用者を登録するマスタ機 (またはNeoFace Access Control Manager) が他にある場合に選択します

*ネットワーク
例: 192.168.0.0/24

5.2.9 Database Synchronization Settings

Setting for synchronization of the Database.

* This screen will be displayed only if "Slave" is selected in section 5.2.8 of Chapter 2 Master and Slave.

Please enter the host name or the IP address of the Master.

Touch the "Next" button after completing the input.



The screenshot shows a mobile application interface titled "NeoFace Access Control". Below the title, there is a Japanese instruction: "マスタのホスト名を入力し、「次へ」ボタンを押してください。" (Enter the master's host name and press the "Next" button). Below this instruction is a text input field. To the left of the input field, there is a label: "*マスタのホスト名またはIPアドレス" (Master's host name or IP address). At the bottom of the screen, there are two buttons: a grey button labeled "戻る" (Back) and a teal button labeled "次へ" (Next).

5.2.10 Verifying Settings Content

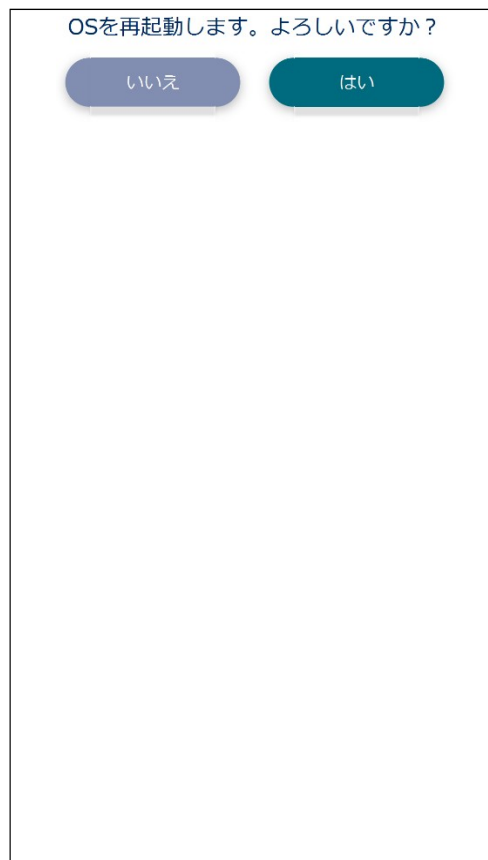
Checking the setting contents.
Check the displayed settings, if there is no discrepancy, please touch the "OK" button.



5.2.11 OS Restart

Reboot the OS so that the settings are incorporated.

Please touch the "Yes" button once this screen is displayed.



* Only when the slave is set in Section 5.2.8. of Chapter 2, touch the "Yes" button and reboot the OS, and since the same confirmation screen will be displayed, touch the "Yes" button.

5.3 Installation and Setup of NeoFace Access Control Manager

This procedure is necessary only if you are using the optional NeoFace Access Control Manager.

[Installation Preparation]

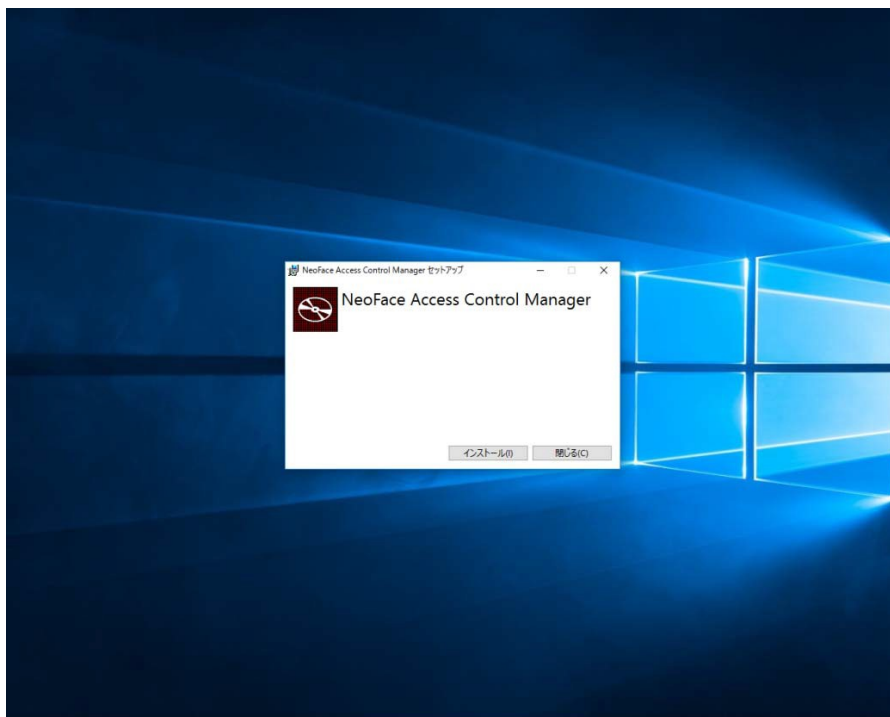
NeoFace Access Control Manager supports only Windows Server 2016.

Please ensure that JRE and PostgreSQL have not been installed in the computer on which you are planning to install.

* If JRE and PostgreSQL have already been installed, they must be uninstalled.

[Installation of NeoFace Access Control Manager] * Please ensure that this procedure is carried out by personnel with administrator privilege.

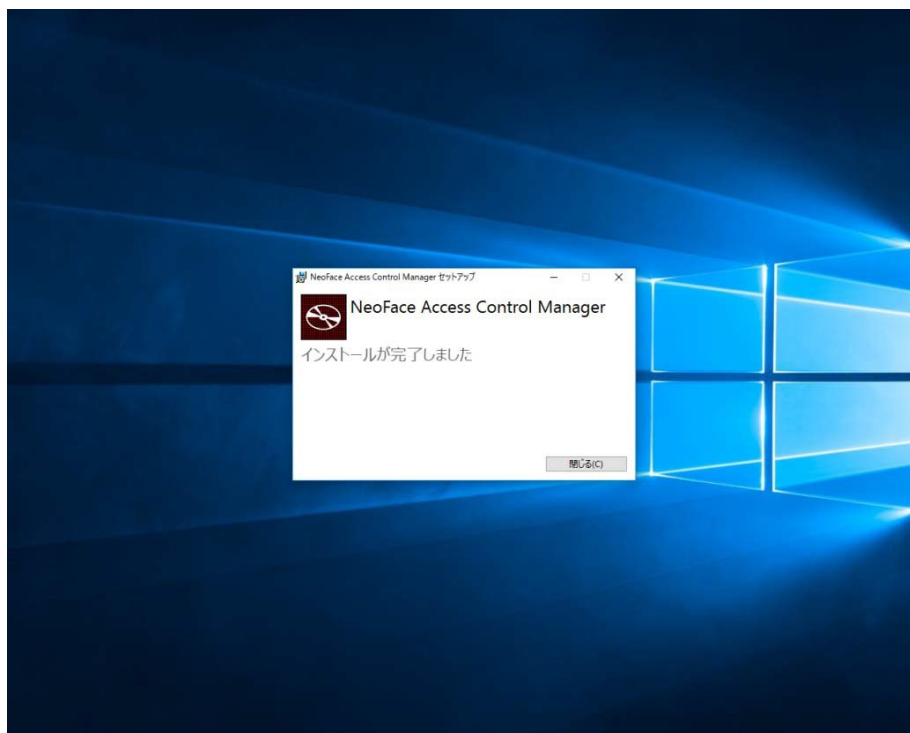
- 1 Insert the installation disk in the DVD drive.
- 2 Copy the installation file "NFACManagerInstaller.exe" of NeoFace Access Control Manager to any arbitrary folder.
- 3 Execute "NFACManagerInstaller.exe".
- 4 When the installation screen is displayed, press the "Installation (I)" button.



- 5 When the "Cancel (C)" button on the lower right-hand side of the installation display screen changes to "Closed (C)" means that the installation has been completed.

Please press "Close (C)" button.

* Even if the progress bar indicates 100%, installation has not yet been completed Please wait until the "Cancel (C)" button changes to "Close (C)".



- 6 Please restart the computer.
- 7 Next, perform the initial setup of NeoFace Access Control Manager. Please launch the command prompt and execute the following command.

```
cd C:\NEC\NFA\bin
```

```
FaceServerInitialSetup.vbs <The path of the shared folder used for maintaining logs> <DB synchronization setting network>
```

(Example) FaceServerInitialSetup.vbs ¥¥xxxx.xxx¥share¥log 192.168.10.0/24

* The following log can be used to confirm if the initial setup of the installation process has been completed.

```
C:\NEC\NFA\log\NFA_FaceServerInitialSetupApp_log.csv
```

Installation is completed if "NeoFace Access Control Manager initial setup done." is displayed at during installation.

5.4 NeoFace Access Control Information Registration

In this section, register the information of NeoFace Access Control.

5.4.1 Login in With WebUI From an External PC

After connecting the external PC to a network that can access NeoFace Access Control, go to the following URL using a browser.

http://<Corresponding IP address of NeoFace Access control>/NFAC

compatible browser: Internet Explorer 11 or Chrome

Enter the user ID and password in the following login screen, and press the "Login" button.

* Login from WebUI is possible only for user ID with administrator privileges.

Since the following account is registered as an administrator in the initial state, please log in with this ID and password.

Person entry/exit item	Settings information
Person entry/exit ID	systemuser
Person entry/exit name	NFAC terminal administrator
Password	* Please refer to the initial password notification provided with NeoFace
Authority	Manager
Facial image	None
Entry and exit area	None

* Modify the initial password from WebUI. (Section 3.2.1(a), Chapter 3 Updated Reference information on Persons Entering/Exiting)



5.4.2 NeoFace Access Control Registration

Registering new NeoFace Access Control information.

Press the "System menu" button at the top right-hand side of the screen, and select "NeoFace Access Control" from the menu displayed at the top of the screen.

From the menu displayed on the left side of the screen, select "NeoFace Access Control registration".

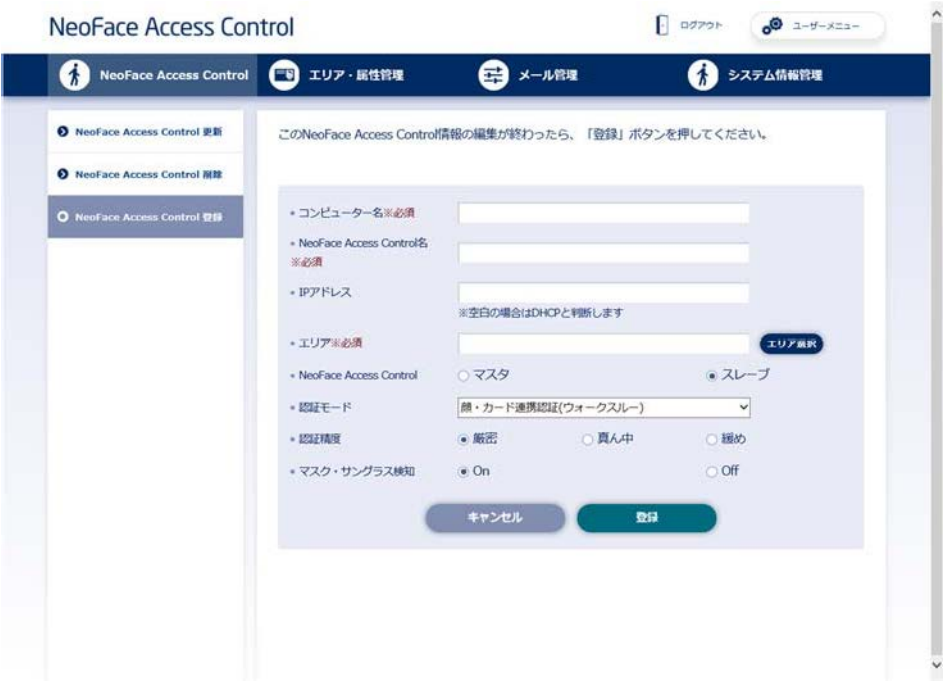
Input the NeoFace Access Control information.

	Input contents	Description
Computer name * Mandatory	Computer name of terminal	Please enter the computer name set during the initial setup.
NeoFace Access Control name * Mandatory	Device name	Please enter a unique name to distinguish between the terminals. (Such 1F front gate 1)
IP address	Device IP address	Enter the IP address set with Initial setup, NeoFace Access Control product. * Note: Even if you change the IP address of this item, the IP address of the computer terminal will not change. Device IP address Change must be done from the network setting of the main unit.
Area * Mandatory	Area 1 to area 20 - In the case of initial setting In the event that you edited the area name, select from the edited area name	Select the area that has to be authenticated. Note: If area is not selected, authentication will not be done.
Master and slave settings	- Master - Slave	Please select whether the relevant terminal is master or slave. * Please select the one that matches the master and slave set during the initial setup.
Authentication mode *1	Face and card authentication (Walk through)	Person who uses brings the card in contact with NeoFace will be authenticated with the face image photographed beforehand.
	Face and card authentication	After the card comes into contact with NeoFace, the facial image is captured and authenticated.
	Face only authentication (Walk through)	Authentication is performed as the person entering or exiting come near the camera.
	Face only authentication	Authentication is performed when the person entering or exiting touches the display screen.
	Card authentication	Authentication is performed when the card touches NeoFace.
Authentication accuracy	- Strict - Medium - Loose	Authentication can be set to three levels of strict, medium, or loose. * If you select "Card authentication" in the authentication mode, this item will not be valid.
Detection of mask and sunglasses	- ON - OFF	When this feature is in the ON mode, on detecting a person wearing masks or sunglasses, authentication can be set to failed. * If you select "Card authentication" in the authentication mode, this item will not be valid.

*1 During initial setup of the card reader, if the "Card reader type" is set to unused, then the following authentication mode cannot be used.

- Face and card linked authentication (walk-through)
- Face and card authentication
- Card authentication

After completing the data entry, press the "Registration" button.

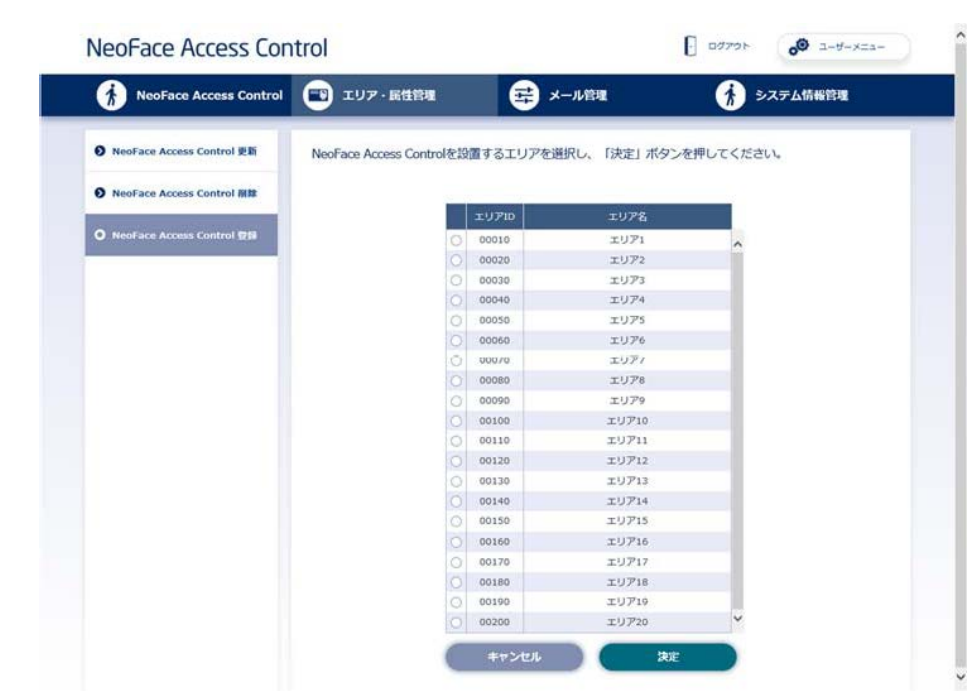


The screenshot shows the 'NeoFace Access Control' registration page. The left sidebar contains three links: 'NeoFace Access Control 更新', 'NeoFace Access Control 削除', and 'NeoFace Access Control 登録' (selected). The main content area has a header message: 'このNeoFace Access Control情報の編集が終わったら、「登録」ボタンを押してください。' Below this is a form with the following fields and options:

- コンピューター名※必須: Text input field
- NeoFace Access Control名※必須: Text input field
- IPアドレス: Text input field with a note '※空白の場合はDHCPと判断します'
- エリア※必須: Text input field with a button 'エリア選択'
- NeoFace Access Control: Radio buttons for 'マスタ' and 'スレーブ' (selected)
- 認証モード: Dropdown menu with '顔・カード連携認証(ワークスルー)' selected
- 認証精度: Radio buttons for '厳密' (selected), '真ん中', and '緩め'
- マスク・サングラス検知: Radio buttons for 'On' (selected) and 'Off'

At the bottom are 'キャンセル' and '登録' buttons.

If you select the "Area selection" button, the following screen will be displayed, select at least one target area to be



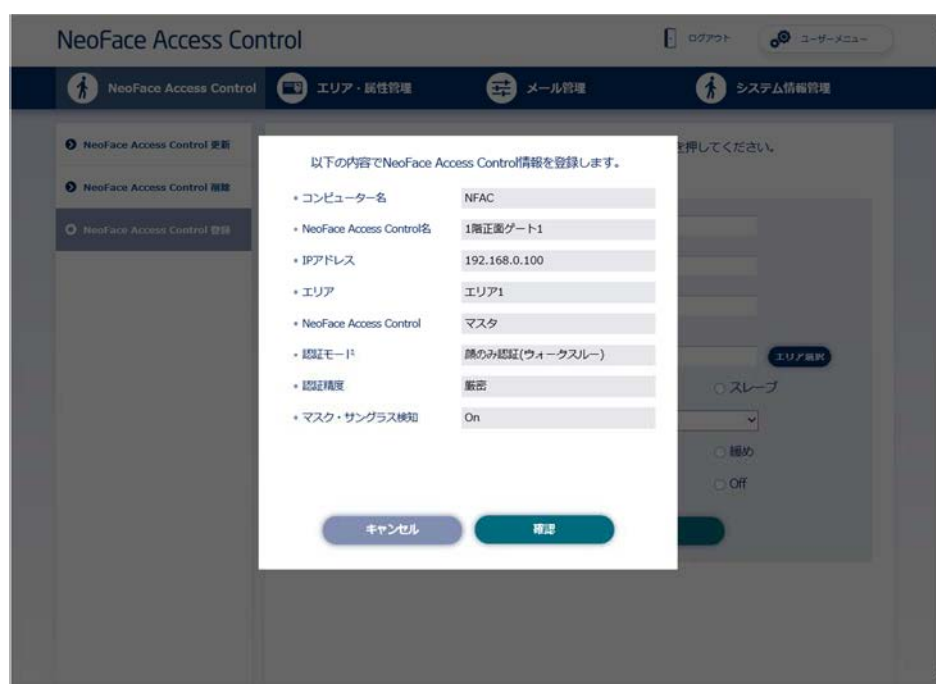
The screenshot shows the 'NeoFace Access Control' area selection page. The left sidebar is the same as the previous screen. The main content area has a header message: 'NeoFace Access Controlを設置するエリアを選択し、「決定」ボタンを押してください。' Below this is a table with two columns: 'エリアID' and 'エリア名'.

エリアID	エリア名
☐ 00010	エリア1
☐ 00020	エリア2
☐ 00030	エリア3
☐ 00040	エリア4
☐ 00050	エリア5
☐ 00060	エリア6
☐ 00070	エリア7
☐ 00080	エリア8
☐ 00090	エリア9
☐ 00100	エリア10
☐ 00110	エリア11
☐ 00120	エリア12
☐ 00130	エリア13
☐ 00140	エリア14
☐ 00150	エリア15
☐ 00160	エリア16
☐ 00170	エリア17
☐ 00180	エリア18
☐ 00190	エリア19
☐ 00200	エリア20

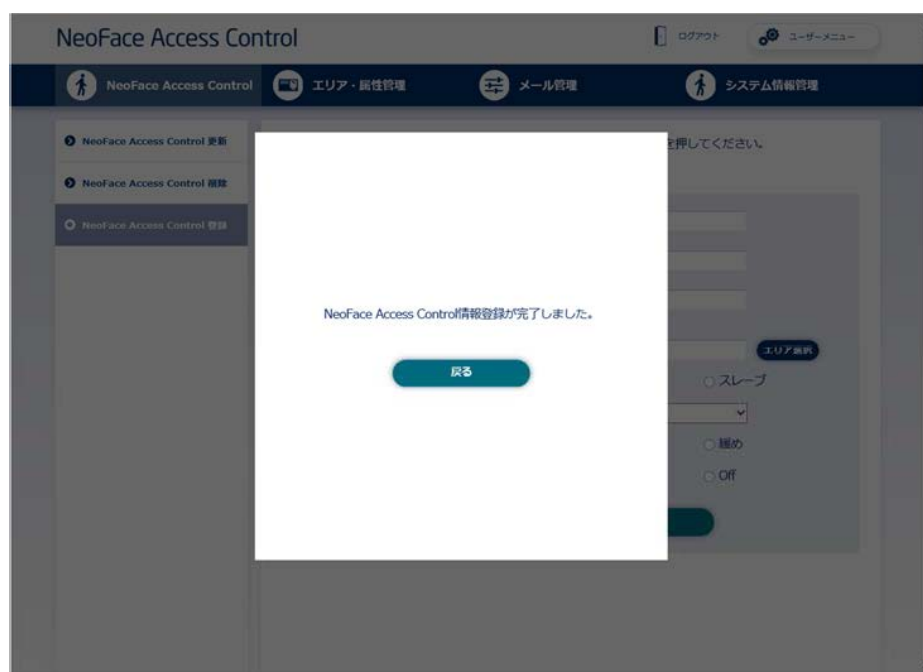
At the bottom are 'キャンセル' and '決定' buttons.

authenticated, and then press the "Confirm" button.

Since the contents of the data are displayed for confirmation, press the "Confirm" button if the contents to be registered are correct.



The following screen will be displayed on completion of registration.



NeoFace Access Control
EGW101

User's Guide

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NEC Corporation, 5-7-1 Shiba,
Minato-ku, Tokyo
TEL: 044-455-8706 (board number)

You can obtain a new copy of the User's Guide if pages are missing or not in order

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