iVision+ Connect

Purpose

This manual covers the basic to advanced operations for using the IVPC system. When installing the system, please refer to the settings and installation guide provided with each device. The goal of this manual is to help readers understand what is needed for their application. A simple home video intercom doorbell application may only need two devices (IVPC-DM or equivalent), whereas an office may wish to further expand their system to include multiple mobile stations (IVPC-MS or smartphones/tablets running the OPTEX Vision App) and a door interface (IVPC-DI).

Check the following overview sections to get started. Thank you for choosing OPTEX!

User manual
EN

Overview

Product Lineup
For details about each lineup, please visit www.optexamerica.com/security-products/ivpc-dm

IVPC-DM
Door Station and Mobile Station
The basic set for the iVision+ Connect. When a visitor presses the doorbell button on the IVPC-DS, a notification is sent to the Mobile Station. Expandable to include multiple IVPC-DS/MS/DI or devices running the OPTEX Vision App.
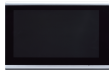
IVPC-DS
Door Station
Doorbell replacement adding video and audio communication when used with the IVPC-MS or a device running the OPTEX Vision App. Needed for use of the IVPC-DI.

IVPC-MS
Mobile Station
Wi-Fi only Mobile Station for responding to visitors. Features live video and audio on a wide display.

IVPC-DI
Door Interface
Can be used as a door unlocking device and chime. Must be used in conjunction with IVPC-DS. Operates as a chime even when Wi-Fi is down.

<Optional>
IVPC-ANT
External Antenna
External antenna extension to avoid dead spots in the Wi-Fi coverage.

<Optional>
OPTEX Vision
Smartphone/Tablet App
Substitutes the Mobile Station with your smartphone/tablet. Capable of answering calls out of Wi-Fi range using mobile data.

Overview

Operations

Visitor Calling 6 p.
Respond on the go with the OPTEX Vision App on your smartphone. Have a dedicated mobile station at the office with the IVPC-MS.
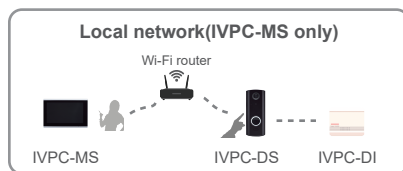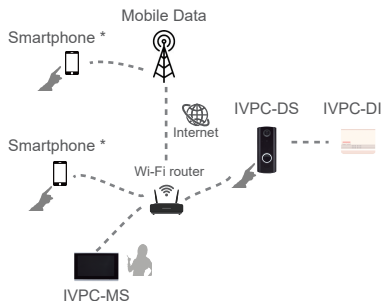
Answering a Visitor 7 p.
See and converse with a visitor before opening the door.

Live View / Event List 8 p.
Use your smartphone or IVPC-MS to get a live view from your IVPC-DS. Examine past event stored locally at any time.

Mobile Data

Smartphone *

IVPC-DS IVPC-DI

Internet

Smartphone *

Wi-Fi router

IVPC-MS

Local network(IVPC-MS only)

Wi-Fi router

IVPC-MS IVPC-DS IVPC-DI

* To use on a smartphone, search and install OPTEX Vision at App store or Google play.
Refer to page 2 & 3 of the SETTINGS AND INSTALLATION GUIDE.

GET IT ON Google Play

Download on the App Store

Overview

Operations

⊕
Add Device
Expand Your System **9 p.**
Add more devices to meet your needs.

🔒
Door Unlock **9 p.**
You can unlock an electric lock with the optional IVPC-DI. Door unlock function is limited to one per IVPC-DS.

Appendix

Overview

IVPC-DS Indicators

Power on (Wired operation)		Solid light (White)
Power on (Battery operation)		LED OFF
Wi-Fi pairing Mode		White & Blue alternating
Active Call/Live View		Slow blinking (White)
Active Call/Live View (2-way Audio Activated)		Solid light (White)
Low battery warning *		Slow blinking (Blue)
Low battery error **		Fast blinking(Blue)
Battery power charging -> full	▶	Slow blinking (White) -> LED OFF
Firmware Update in progress		Solid light (Blue)
Wi-Fi connection error**		Slow blinking(Blue & White & Off)
Device error****		Fast blinking(Blue & White)

Indicators

|	
* Low battery warning	: The battery has approximately a week of charge left. Please recharge soon.
** Low battery error	: The battery is completely drained. Please recharge immediately.
*** Wi-Fi connection error	: Please check connection of IVPC-DS & Wi-Fi router.
**** Device error	: Please contact a service provider.

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Overview

Battery Charge

The IVPC-DS can be powered by batteries or wired. When battery operated, please charge regularly. The battery level of the IVPC-DS can be checked by looking at the top right corner of the live view ▭ or by the LED indicator on the IVPC-DS. The battery level symbol will be completely white when fully charged.
Caution: Please recharge only when temperature is 10 °C to 40 °C (50 °F to 104 °F).

Battery level

Low battery *

Slow blinking (Blue)

Fast blinking(Blue)

Remove IVPC-DS
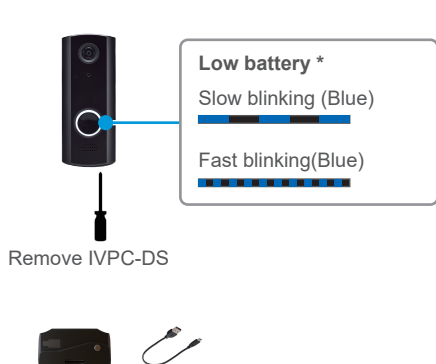
Charge with the included USB cable **
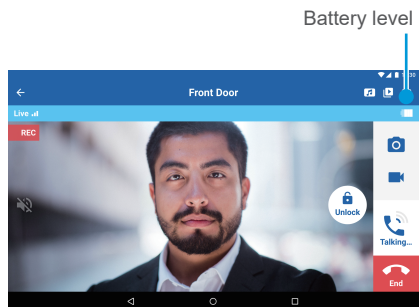
* If the IVPC-DS battery becomes low, it will automatically enter battery saving mode. This will disable the option to turn on the live view from the device list. Refer to page 8. After charging, the battery saving mode returns to OFF.

** In case of wired operation, the IVPC-DS does not charge the battery.

Operations

Visitor Calling

When a visitor presses the doorbell button on the IVPC-DS, a notification is sent to the IVPC-MS or the OPTEX Vision App. You can see the live view with , close with . All calls, whether they are answered or not, automatically record to the IVPC-DS microSD card as set in the device settings menu.
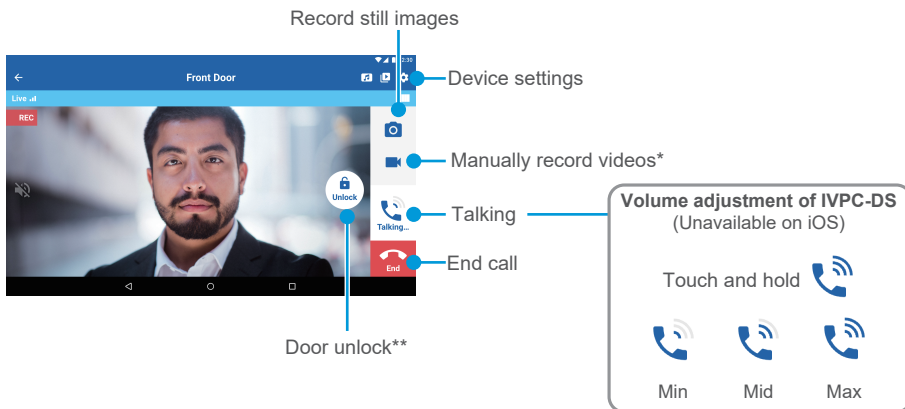

Close   To live view
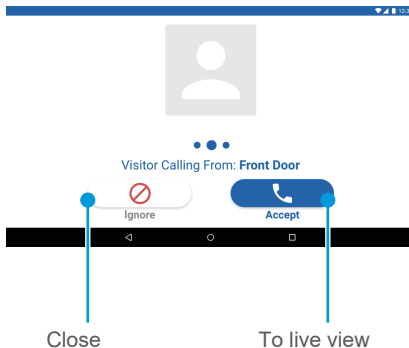
Operations

Answering a Visitor

Touch the 📞 to turn the microphone on when speaking to a visitor. Touch the 🎥 to manually record videos. Touch the 📷 to record a still image. Touch the 🔒 to unlock an electric strike or maglock. Touch the 📞 to end the call. The same can be done by accessing the live view without an active caller as explained in the next page.

Record still images

Device settings

Manually record videos*

Talking

End call

Door unlock**

Volume adjustment of IVPC-DS
(Unavailable on iOS)

Touch and hold 📞

Min   Mid   Max

* You can select the recording time from (5/10/15/30/60 s) on the Device settings ⚙ .

** Optional IVPC-DI is required.

Operations

Live View / Event List

When you launch the IVPC-MS or the OPTEX Vision App, the Device List is displayed.

You can see a live view by touching the screen on the Device List.* You can check recorded videos and still images from the Event List [▶️] .

Touch the screen to see a live view

Device settings

Event List of recorded video and still image
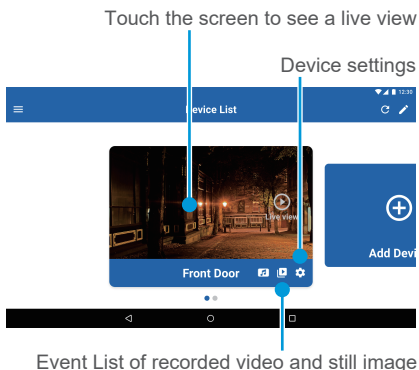
* **<u>Wired Operation</u>**
It is always valid.

* **<u>Battery Operation</u>**
It is valid only when the battery saving mode is OFF and there is an internet connection. The default setting is battery saving mode OFF. However, if the IVPC-DS battery becomes low, the battery saving mode will be turned ON automatically. When the charging of the battery is completed, the battery saving mode returns to OFF. The battery saving mode can be switched ON/OFF with Device settings ⚙️ .

Operations

Expand Your System* / Door Unlock

Additional users can join an existing system by adding IVPC-MS or downloading the OPTEX Vision App.
Please reference the setup information provided by the installer when using the app wizard.
One IVPC-DI per IVPC-DS can be assigned through the device settings menu to unlock an electric strike or maglock. All IVPC-DI per IVPC-DS can work as chimes, even if the Wi-Fi is down.
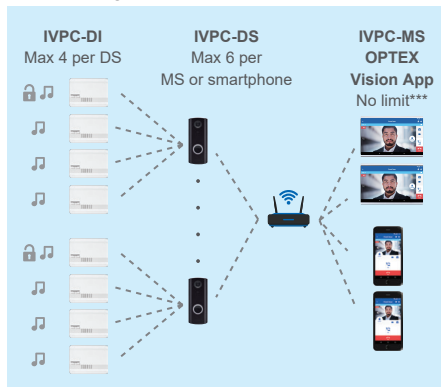
Operational image

Maximum system structure

| 🔒 Door unlock | 🎵 Chimes at the visitor event ** |

  * An admin and device password (default 123456) is required. Refer to the instruction guide.
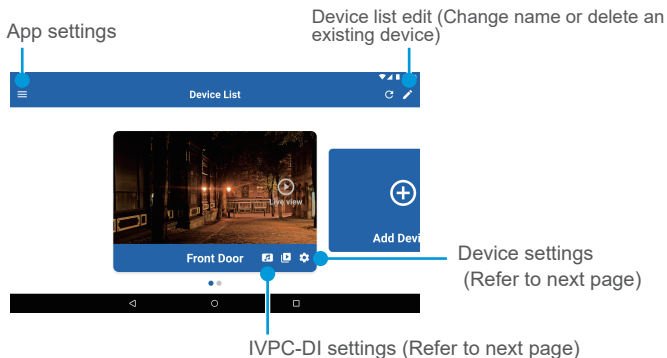 ** 5 selectable chime tones by IVPC-MS or OPTEX Vision App.
    3 levels chime volume and mute by IVPC-DI button.
*** Limit depends on the network capacity, not the IVPC system itself.

Appendix

App Settings
You can change the settings of the App from the Device List button ≡

App settings

Device list edit (Change name or delete an existing device)

Device settings
(Refer to next page)

IVPC-DI settings (Refer to next page)

Notification
Enable or disable notifications on IVPC-MS or Android smartphone. iOS users must go to their smartphone settings to change this feature. Individual notification settings are not available; notifications are either ON or OFF for all paired IVPC-DS.

Video Hardware Acceleration (Android phone only)
By turning on the hardware acceleration function, improvement of drawing performance can be expected. However, it consumes a lot of memory. The default is ON.

About
You can check the version of OPTEX Vision.

Appendix

Device Settings

The main customization settings of IVPC-DS are as follows. You can change them from Device Settings ⚙ of Device List or Live View.* An admin password (default 123456) is required. Refer to the SETTINGS AND INSTALLATION GUIDE. Press 'Save' after setting and IVPC-DS may reboot. Do not manually restart the IVPC-MS or OPTEX Vision App.

Battery Saving
It is effective only when battery operated. Default setting is OFF. By setting it to ON, you can extend the battery life of IVPC-DS. (About 1 year @ 25 °C/77 °F) However, when the battery saving mode is ON, Live View only works when answering a visitor.

Device Sounds
You can change the volume of the IVPC-DS. Chime tone is fixed.

Other Settings

Device Edit
You can rename or delete devices that appear in IVPC-MS or OPTEX Vision App.

Unlock Settings
Select which IVPC-DI will activate its output relay for a selectable duration time. You can set from IVPC-DI settings 🎵 . Refer to previous page.

* In case of battery operated, press the doorbell button to wake up IVPC-DS before entering the setting menu.

Appendix

Retrieve Image from IVPC-DS

Videos are stored on the memory card of the IVPC-DS. From the Event List or Event Play, you can download them to the IVPC-MS or a device running the OPTEX Vision App. UHS-1 microSD card (not included) can be used to save the videos and images off the IVPC-MS.

Download

microSD card slot

Not included (IVPC-MS)
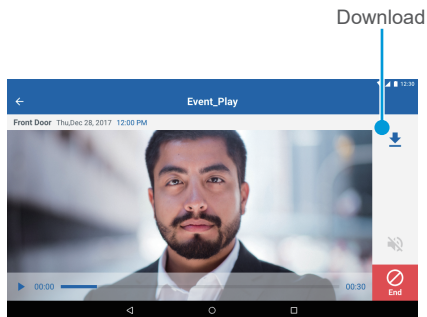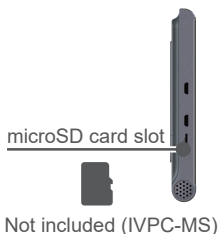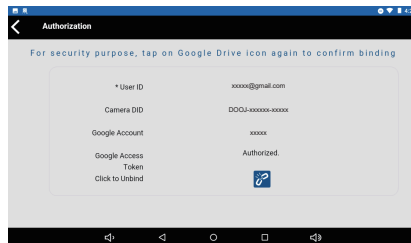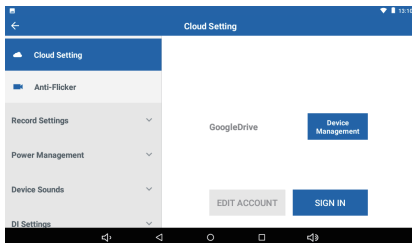
Appendix

Updates

When you receive the Update message on IVPC-MS or OPTEX Vision App, please update according to the screen.
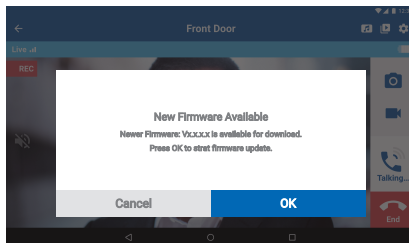

Cloud Setting

You can transfer images stored in IVPC-DS to your registered cloud service.

It can be set from the device settings ⚙ .

If you want to remove cloud service, you will need to unbind from the IVPC-DS by going to the device settings - cloud settings - sign in - device management and click 🔗

Appendix

How to check the signal strength indicator using IVPC-MS or OPTEX Vision App

IVPC-DS signal indicator

Excellent   Good   Fair

Live view
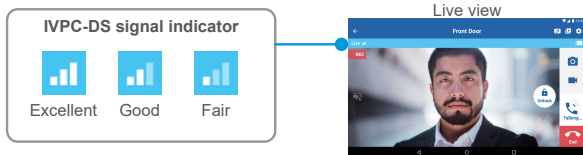
Troubleshoot

Chime does not sound / Audio is interrupted / No device or battery error indicated

Please check the signal strength between the IVPC-DS and Wi-Fi router. Signal strength can be confirmed with the IVPC-MS or OPTEX Vision App. If the signal strength is poor, please check whether there was any change in the installation environment from the time the IVPC was installed. (Example: Metal placed around IVPC - DS, changed location of the Wi-Fi router. Construction scaffolding was built around the building.) If you improve the installation environment, communication status will recover. If the cause can not be specified or can not be restored to the state at the time of installation, contact a service provider.

Troubleshoot options:
- Wi-Fi range extender (When the IVPC-DS and the Wi-Fi router are far away.)
- IVPC-ANT External antenna (When the IVPC-DS and the Wi-Fi router are close.)

IVPC-ANT External Antenna (optional)

The IVPC-ANT helps by providing an antenna at a position that avoids obstacles against radio waves such as walls and doors. The best communication is achieved by a direct open path between the communicating devices, in this case the Wi-Fi router and the IVPC-DS. For details please contact a service provider.
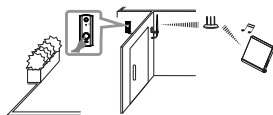
LED slow blinking (Blue & White & Off)

Please check connection of IVPC-DS & Wi-Fi router.

LED fast blinking (Blue & White)

IVPC-DS is faulty. Please contact a service provider.

Appendix

Chime does not sound (LED OFF)
Power may not supplied to the IVPC-DS. Please charge the IVPC-DS.

Battery life of IVPC-DS is short
Check the setting of the battery saving mode with the IVPC-MS or OPTEX Vision App. By setting it to ON, you can extend the battery life of IVPC-DS. (About 1 year @ 25 °C/77 °F) However, when the battery saving mode is ON, Live view only works when answering a visitor.

Forgot admin password, device password
Check if the installer wrote down the passwords on the 2nd page of the IVPC DS and MS SETTINGS AND INSTALLATION GUIDE.
If the password was not written down, you may need to delete the device and pair again.

Change admin password, device password
Admin password and device password can be changed from ⚙. However, if you change the device password, you must also reset the device password for the IVPC-MS / Smartphone that is paired. The device password can be set from ✎ .

Latest software
Download the latest software and IVPC-MS OPTEX Vision from the following URL.
IVPC-DS   navi.optex.net/firmware/50259/
IVPC-MS   navi.optex.net/firmware/50260/

5927507