

# AV-06M



ENTRANCE PANEL

## Main features

- Panel type: Individual.
- Camera: 1/2.8".
- Resolution: 2 Mpx.
- Camera angle: 110° (horizontal).
- Output video: FullHD (1920 × 1080), H.264 Main Profile.
- Wide Dynamic Range (WDR): Yes.
- Night backlight: 12 LEDs.
- Light sensitivity: 0.01 LuX.
- Protection class: IP65.
- IK-Code: IK06.
- Working temperature: -40 — +65 °C.
- Power consumption: 5.5 W, in standby — 2.1 W.
- Supported Cards: Mifare®: Ultralight, Ultralight EV1, Light ID, Standard, Classic (1K/4K), Classic EV1 (1K/4K), DESFire Light (read-only UID, 4 bytes), DESFire EV1 (read-only UID, 4 bytes), NFC (ISO 14443).
- Wi-Fi: 2.4GHz (IEEE 802.11 n).
- Power supply: +12V DC, IEEE PoE 802.3af.
- Memory card support: MicroSD \* up to 32GB.
- Body: Plastic.
- Colors: Black.
- Size of the panel: 52 × 137 × 28 mm.
- Installation: Surface Mounting with or without Sun & Rain Cover (Included).
- Additional accessories: Rotating Bracket 30-degree (sold separately).

\* reserved; firmware update only.

The specifications and appearance of the device may differ from those stated or may change without prior notice.

# ENTRANCE PANEL

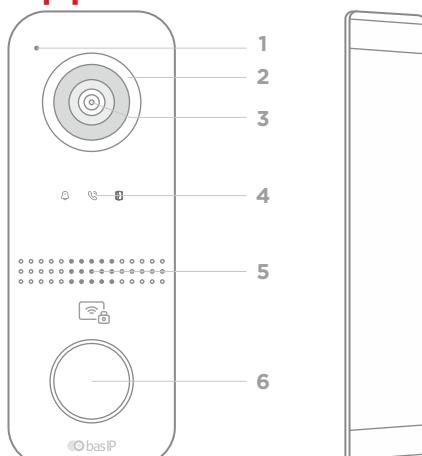
# AV-06M

## Device description

The BAS-IP AV-06M is a sleek and compact single-button entrance panel designed for seamless video communication at villa entrances or front doors. Despite its slim profile, the panel features a Mifare card reader, high-quality camera, status LED indication, and robust access management capabilities.

It supports various identification methods, including access cards, QR codes, vehicle license plates, and remote control via an indoor monitor. With the BAS-IP SH-12 accessory, the AV-06M can also connect to external access keypads or advanced readers, enhancing its versatility and functionality.

## Appearance



- |   |                            |
|---|----------------------------|
| 1 - Microphone.   | 5 - Loudspeaker.           |
| 2 - Backlight.  | 6 - Mechanical call button |
| 3 - Camera.   | and identifier reader.     |
| 4 - 3 indicator LEDs:<br> Calling /<br> Talking /<br> Lock-release |                            |



Full User Manual

## Completeness check of the product

Before installation of the outdoor panel, it is necessary to check that it is complete and all components are available.

### Outdoor panel kit includes:

Outdoor panel	1 pc
Surface mounting bracket with a hood / without hood	1 pc / 1 pc
Manual	1 pc
Set of wires with connectors for connection of power supply, lock, and additional modules	1 pc
A set of plugs for connections	1 pc
Protective cover with a seal	1 pc
Set of screws with a wrench	1 pc

## Electrical connection

After verifying the device's completeness, you can switch to the outdoor panel connection.

### For connection you will need:

- An Ethernet UTP CAT5 or higher cable connected to a network switch / router.

#### Cable length recommendations

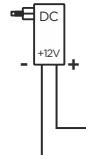
The maximum length of the UTP CAT5 cable segment should not exceed 100 meters, according to the IEEE 802.3 standard.

- Power supply at +12 V, 2 amps, if there is no PoE.
- Wires must be brought for the connection of exit button, fire alarm, door sensor and lock.

You can connect any type of electromechanical or electromagnetic lock for which the switched current does not exceed 2 amps.

Connection scheme of electromechanical lock using external power supply for panel and the lock

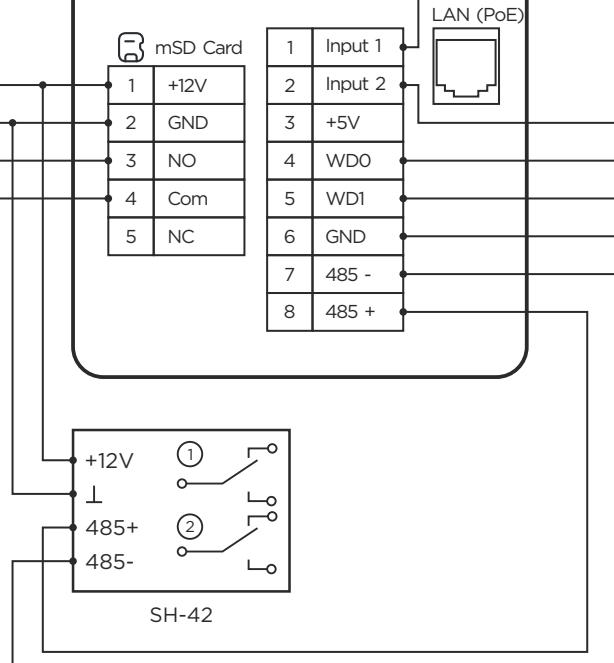
Power supply for the panel



Power supply for the lock



Electromechanical lock



Exit button

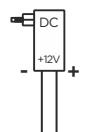
Door sensor

Fire Equipment \*

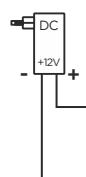
\* - in future firmware releases

Connection scheme of electromagnetic lock using external power supply for panel and the lock.

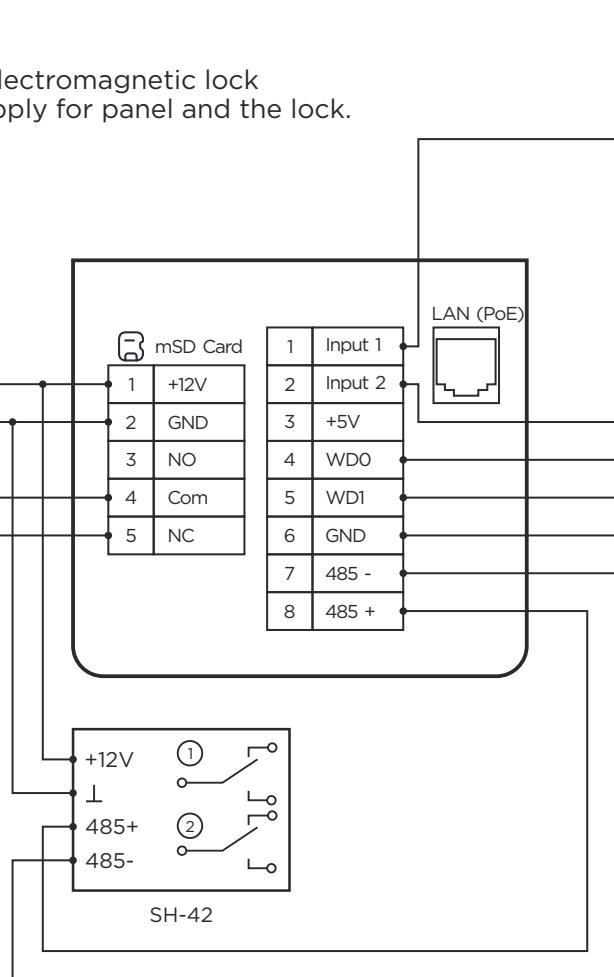
Power supply for the panel



Power supply for the lock



Electromagnetic lock



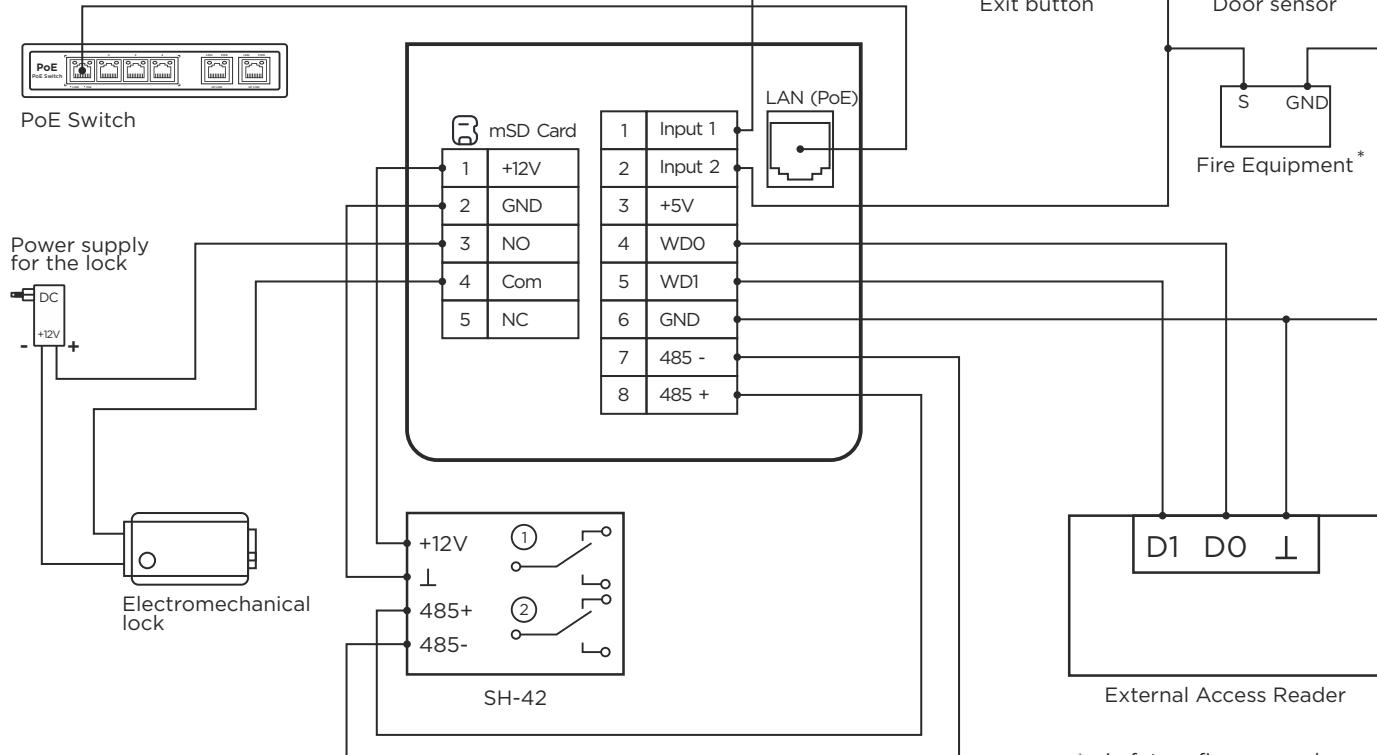
Exit button

Door sensor

Fire Equipment \*

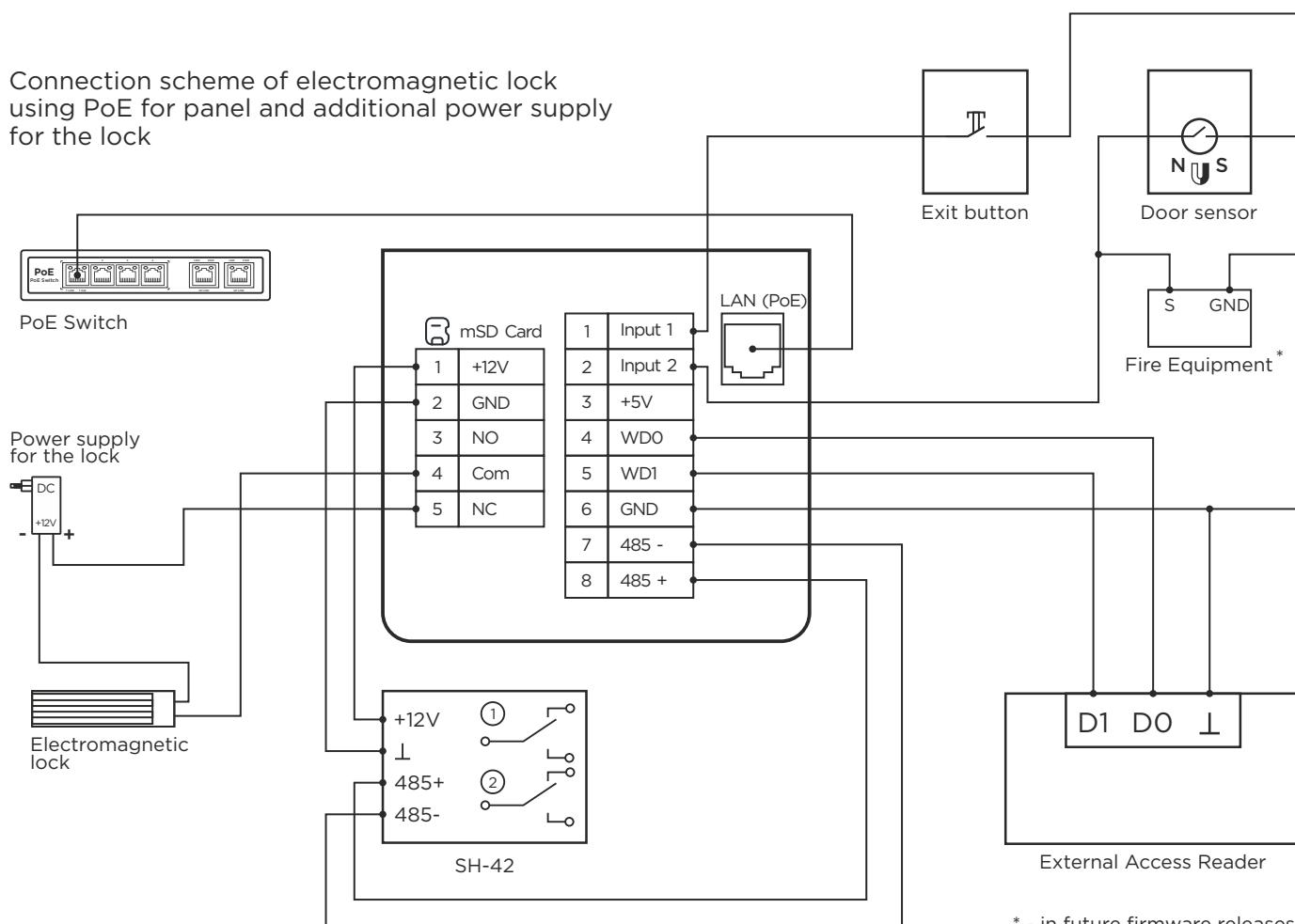
\* - in future firmware releases

Connection scheme of electromechanical lock using PoE for panel and additional power supply for the lock



\* - in future firmware releases

Connection scheme of electromagnetic lock using PoE for panel and additional power supply for the lock



\* - in future firmware releases

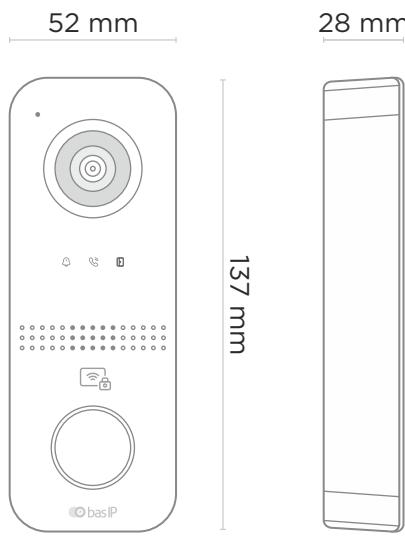
## Mechanical mounting

To install the intercom panel, take the self-adhesive sticker from the set with the panel and affix it to the wall at the intended installation location.

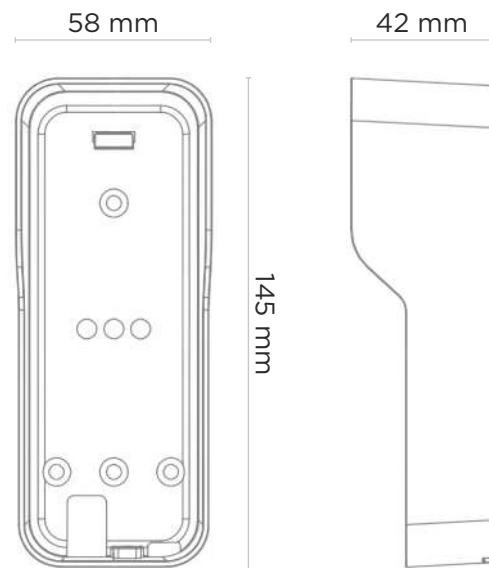
Drill holes at the marked spots on the attached sticker. Then, insert the included anchors into these holes.

It is also necessary to provide supply of a power cable, additional modules and the local network.

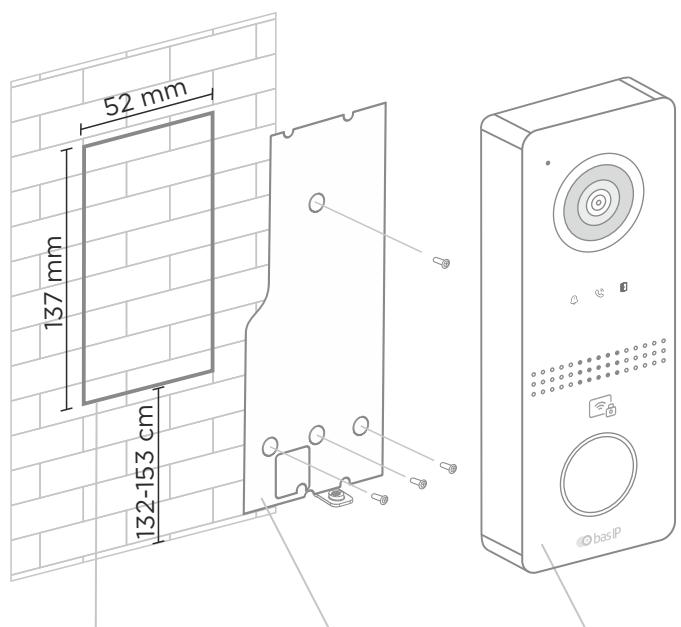
### Outdoor Panel



### Sun & Rain Cover



## Surface mounting

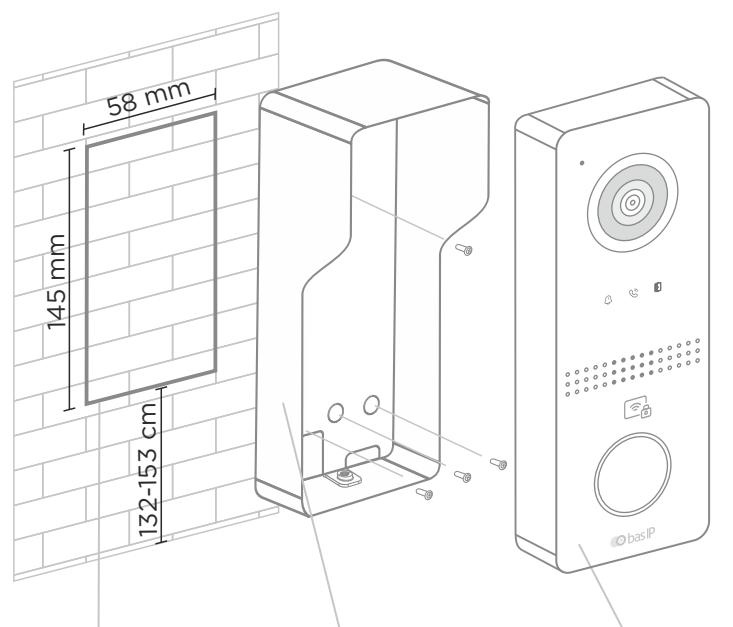


Mounting area

Surface mounting bracket

Outdoor Panel

## Surface mounting with Sun & Rain Cover

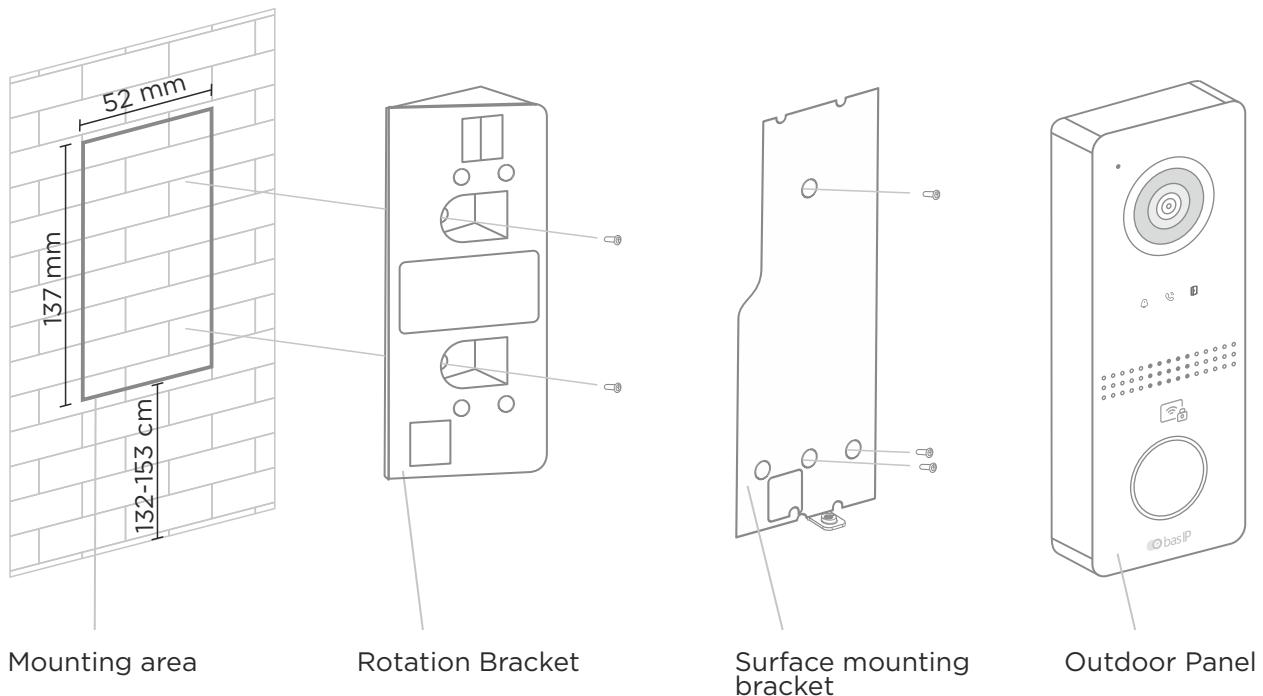


Mounting area

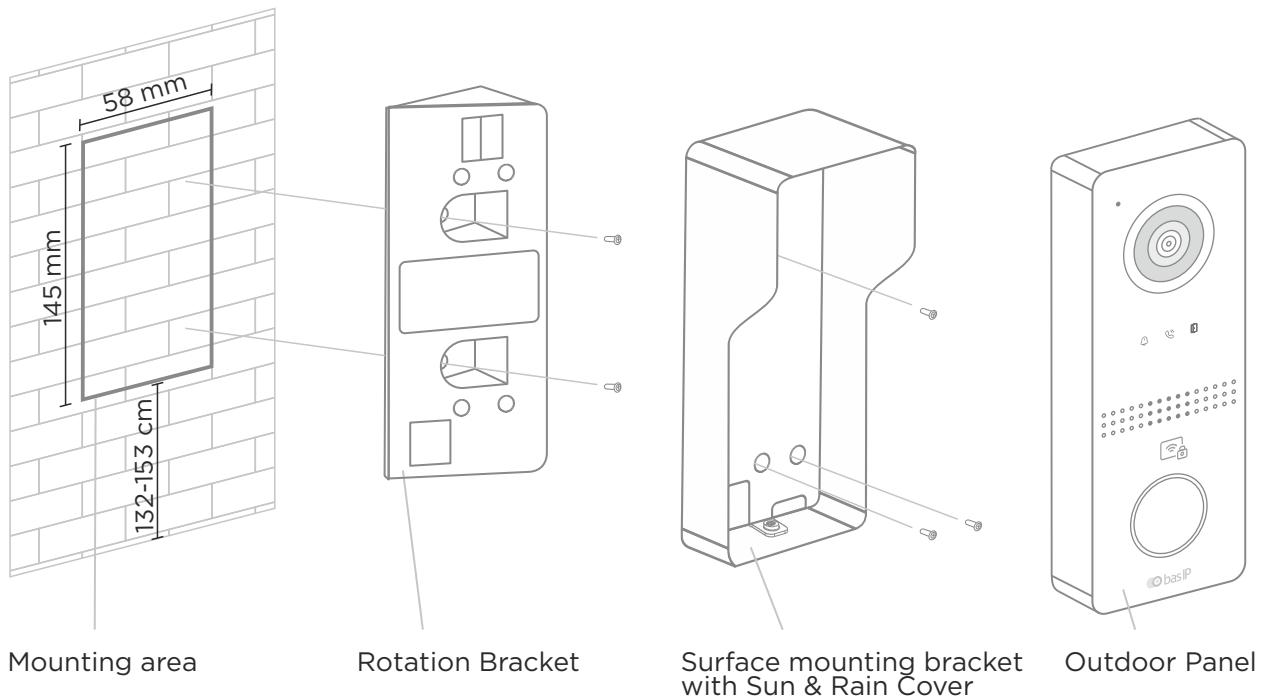
Surface mounting bracket with Sun & Rain Cover

Outdoor Panel

## Surface mounting with rotating bracket



## Surface mounting with Sun & Rain Cover and rotating bracket



Rotating Bracket 30-degree is not included in the box and must be purchased separately.

## Warranty

The warranty card number

---

Model name

---

Serial number

---

Seller name

---

With following stated terms of warranty is familiar, functional test was performed in my presence:

Customer signature

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## Warranty conditions

**The warranty period of the product — 36 (thirty-six) months from the date of sale.**

- Transportation of product must be in its original packaging or supplied one by the seller.
- The product is accepted in warranty repair only with a properly filled warranty card and the presence of intact stickers or labels.
- The product is accepted for examination in accordance with the cases provided by law, only in the original packaging, in a full complete set, appearance corresponding to the new equipment and presence of all relevant properly filled documents.
- This warranty is in addition to the constitutional and other consumer rights and in no way restrict them.

## Terms of warranty

- The warranty card must indicate the name of the model, serial number, purchase date, name of the seller, seller company stamp and the customer's signature.
- Delivery to the warranty repair is carried out by the buyer himself.
- Warranty repairs carried out only during the warranty period specified in the warranty card.
- The service center is committed to do everything possible to carry out the repair warranty products, up to 24 working days. The period spent on the restoration of product functionality is added to the warranty period.

## Regulatory Information

### FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

### FCC Warning

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

**Note!** 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 or more 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.

**Note!** Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### EU Conformity Statement



This product is marked with «CE» and comply therefore with the applicable harmonized European standards listed under the EMC Directive 2014/30/EU, the LVD Directive 2014/35/EU, the RoHS Directive 2011/65/EU.



2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points.

## Notes

## Notes

