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Technical support

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ML-40ID

AHD 1080P
(2 MP)

Mifare

User manual

1-18

SLINEX

SLINEX

Safety instructions

Read and keep that manual.
The device installation process should be carried out by the qulified specialists.
Use the device from the –40 ˚C to +50 ˚C, always keep it within that temperature range.
Installation surface should be free from vibration and impact influence.
Keep this device far from open sources of heat, such as radiators, heaters, and ovens.
The device can be installed near other electronic equipment in case if the temperature of the environment does not exceed previously mentioned range.
The device should be protected from the direct influence of the natural phenomena, such as direct sunlight, rain or snow.
Don't use aggressive or abradant detergent for the device surface cleaning. Use soft wet cloth or tissue to remove strong dirt.

Attention!

As a result of continuous upgrades and functionality improvements, technical characteristics of the device can be changed without any preliminary declaration.
This manual can contain some inaccuracy or misprint.
The owner reserves the right to make corrections to the information described in the user manual and device package.

Nature protection

Don't throw away the device with other industrial or nutritive trash if you see that symbol. Some regions have separation and recycling systems for the electronic equipment.
Connect with local authorities to receive information about recycling of electronic equipment for your region.

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1. Package

ML-40ID outdoor panel – 1 pc.
Wall mounting bracket – 1 pc.
Power supply 12V / 1A – 1 pc.
Wireless Mifare cards – 3 pcs.
Rainshield – 1 pc.
Connection wires – 3 pcs.
Mounting screws and anchors – 1 pkg.
User manual – 1 pc.

2. Specification

SENSOR TYPE
1/3" CMOS

RESOLUTION
1920×1080 px.

VIDEO OUTPUT
AHD 1080p (2 MP), AHD 720p (1 MP) or CVBS (PAL)

VIEW ANGLE
120˚

ADDITIONAL FUNCTIONS
Key password unlocking
Wireless Mifare card reader (13.56MHz)
Fingerprint sensor

NIGHT BACKLIGHT
Infrared, 1.5 meter distance

LOCK RELAY CONTINUOUS CURRENT
2 A

POWER SUPPLY VOLTAGE
+12 V

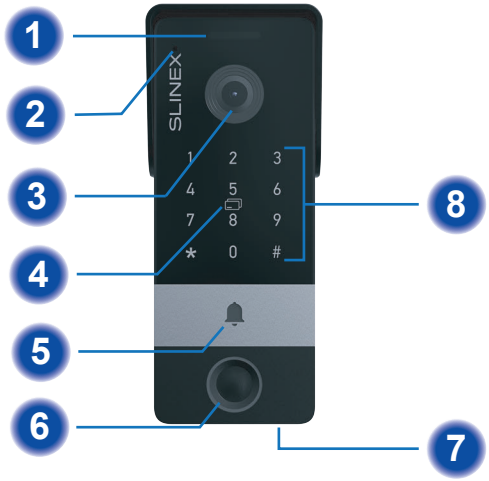
POWER CONSUMPTION
3 W in working mode

INSTALLATION TYPE
Surface mount

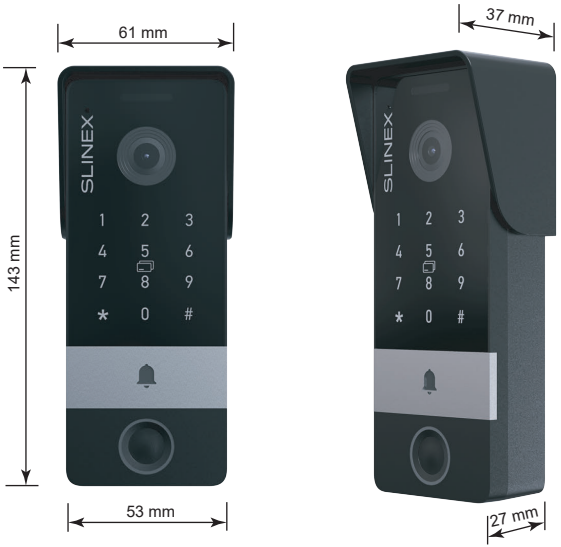
DIMENSIONS
53×143×27 mm (without rainshield)

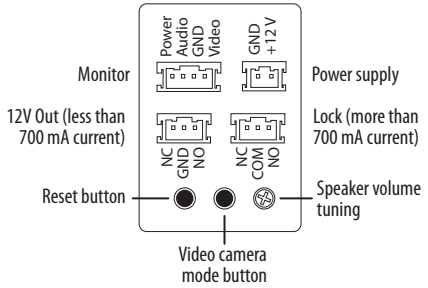
WORKING TEMPERATURE
–40 ... +50 ˚C

3. Description

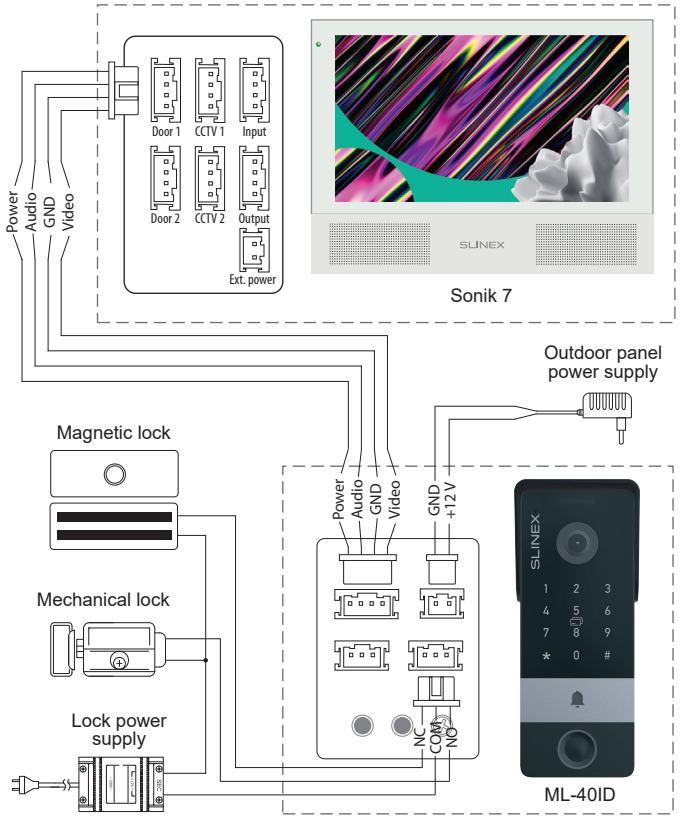


1	Night infrared backlight
2	Microphone
3	Video camera
4	Mifare wireless card reader
5	Call button
6	Fingerprint sensor
7	Speaker (from the bottom side)
8	Numeric keyboard

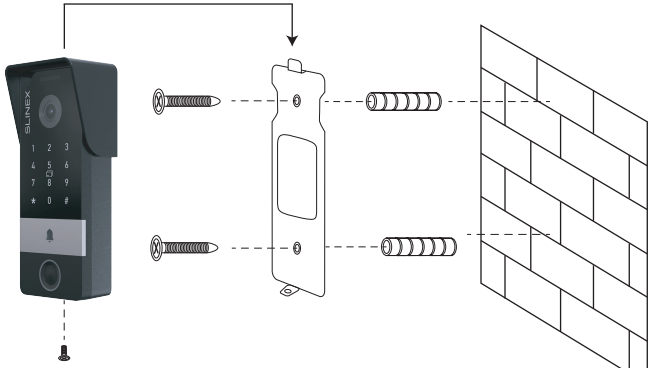




4. Schematic diagram



5. Installation



Steps:

1) Take the wall mounting bracket from the kit and situate it 150-160 cm from the floor line;
2) Mark and drill two halls inside the wall;
3) Take two nuts from the kit and hammer them into the drilled halls;
4) Fix the wall mounting bracket using screws from the kit;
5) Connect all communication wires and fix the door panel on the wall mounting bracket by the screw from the bottom side.

6. Operation

- Outdoor panel supports up to 10 administrator and 90 user records. It uses multi unlock methods: IC cards, fingerprints or passwords. Total quantity of the records (IC cards + fingerprints + passwords) can be up to 100.
- In the factory default initial state, any IC card, fingerprint or password can open the door lock,connected to the outdoor panel.
- If the user inputs wrong password or enter invalid fingerprint or swipe invalid IC card more then 5 times in a row, the system will freeze for 90 seconds. User must input correct password after 90 seconds.
- When there is no operation for more than 5 seconds, the system will automatically enter the low-power mode. The user should tap any key of the numeric keypad or fingerprint zone to wake the system up.

6.1. Restore factory settings

Press and hold the "Reset" button on the back of the panel until you hear "Ding-Ding-Ding-Ding". You will hear a voice prompt "Press # key to confirm", "Press * key to return". Press "#" key to restore to the factory default settings. You will hear "Restore factory successful". All information will be removed from the outdoor panel memory and administrator password will be restored to default value. Panel will be automatically restarted.
Administrator default password: 123456.

6.2. Menu operation

In initial state, after waking up the panel, press "* #", the user will hear "please verify administrator", enter administrator password (default administrator password is 123456), then press "#" to confirm. Please refer to the doorbell voice prompt to register administrator.
Administrator setting: press "1" to enter administrator settings;
User settings: press "2" to enter user settings;
System settings: press "3" to enter system settings;
System information: press "4" to enter system information.

6.3. Administrator settings

Add an administrator

After waking up the doorbell, press "* #". The user will hear "please verify administrator", enter the administrator password, swipe the administrator IC card or press the administrator's fingerprint to enter the system menu, and then press "1" to enter administrator settings. Press "1" to add an administrator, and the user can add a new administrator by entering a new password, swiping a new IC card or entering a new fingerprint. The user can add up to 10 administrators, from number 1 to number 10.

Add an administrator IC card: when you hear "number 1, please enter a fingerprint, IC card or password", the user can swipe a new IC card in the card reader area. Voice prompt "IC card add successful" means that the card was added successfully.

Add an administrator password: after the user succesfully adds the 1st administrator, user will hear "number 2, please enter a fingerprint, IC card or password". User can enter a new password, the number of digits in the password is not less than 6. Enter a new password, and press "#" key to confirm. Voice prompt "please enter password again , press "#" key to confirm". Enter the password one more time. Voice prompt "Add successful" means that the password was added successfuly. Voice prompt "Password not match" means that the setup was failed and user have to reset it.

Add an administrator fingerprint: after the user successfully adds the 2nd administrator, the user will hear 'number 3, please enter a fingerprint, IC card or password", the user can add a new fingerprint. Press a new fingerprint on the fingerprint area. Voice prompt "please enter again", press the same finger on the fingerprint area again. Voice prompt "add successful" means that the setting is successful.

Delete administrator

After waking up the doorbell, press "* #", the user will hear "please verify administrator". Enter the administrator password, swipe the administrator IC card or press the administrator's fingerprint to enter the system menu and then press "1" to enter the administrator settings. Press "2" to enter delete administrator settings. Voice prompt "please enter number + "#" key to confirm". For example to delete the 1st administrator, the user can press "1" + "#". Voice prompt "delete successful" means that the administrtor was deleted.

Note: After adding administrators, there is always an administrator that cannot be deleted, the user has to restore the factory settings to reset the password to default.

6.4. User settings

Add user

After waking up the doorbell, press "* #", the user will hear "please verify administrator', enter the administrator password, swipe the administrator IC card or press the administrator's fingerprint to enter the system menu, and then press "2" to enter the user settings. Press "1" to enter add user settings, and the user can add a new record by entering a new password, swiping a new IC card or entering a new fingerprint. The user can add 90 records, from number 11 to number 100.

Add a user IC card: when the user hears "number 11, please enter a fingerprint, IC card or password", the user can swipe a new IC card in the card reader area. Voice prompt "IC card add successful" means that the adding is successful.

Add a user password: after the user successfully adds the 1st record, the user will hear "number 12, please enter a fingerprint, IC card or password", the user can enter a new password. The number of digits in the password is not less than 6. Enter a new password, and press "#" key to confirm. Voice prompt "please enter password again , press "#" key to confirm". Enter the password

one more time. Voice prompt "Add successful" means that the password was added successfully. Voice prompt "Password not match" means that the setup was failed and user have to reset it.

Add a user fingerprint: After the user successfully adds the 2nd user, the user will hear "number 13, please enter a fingerprint, IC card or password", the user can enter a new fingerprint. Press a new fingerprint on the fingerprint area. Voice prompt "please enter again", press the same finger on the fingerprint area again. Voice prompt "add successful" means that the adding is successful.

Delete user

After waking up the doorbell, press "* #", the user will hear "please verify administrator', enter the administrator password, swipe the administrator IC card or press the administrator's fingerprint to enter the system menu, and then press "2" to enter the user settings. Press "2" to enter delete user settings. Voice prompt "please enter number + '#' key to confirm". For example to delete the 1st user, the user can press "11" + "#" to confirm. Voice prompt "delete successful" means that the user deleted successfully.

6.5. System settings

Time setting

After waking up the doorbell, press "* #", the user will hear "please verify administrator", enter the administrator password, swipe the administrator IC

card or press the administrator's fingerprint to enter the system menu, and then press "3" to enter the system settings. Press "1" to enter time settings, the user can refer to the system voice prompt to set the time.

Language setting

After waking up the doorbell, press "* #", the user will hear "please verify administrator", enter the administrator password, swipe the administrator IC card or press the administrator's fingerprint to enter the system menu and then press "3" to enter the system settings. Press "2" to enter function settings and press "1" to configure language, the user can change the language according to the voice prompt, and press "*" key to return.

Unlock time setting

After waking up the doorbell, press "* #", the user will hear "please verify administrator", enter the administrator password, swipe the administrator IC card or press the administrator's fingerprint to enter the system menu and then press "3" to enter the system settings. Press "2" to enter function settings, press "2" again to set up unlock time. When the user presses the "2" key one time, the unlock time will change once. The value can be set from 1 second to 10 seconds.

Volume setting

After waking up the doorbell, press "* #", the user will hear "please verify administrator", enter the administrator password, swipe the administrator IC

card or press the administrator's fingerprint to enter the system menu. Press “3” to enter the system settings. Press “3” again to enter volume settings. Press “1” to increase the volume, press “2” to reduce the volume, press “3” to enable or disable silent mode. After making settings, press “*” key to return.

Restore factory defaults

After waking up the doorbell, press “* #”, the user will hear “please verify administrator”, enter the administrator password, swipe the administrator IC card or press the administrator's fingerprint to enter the system menu. Press “3" to enter the system settings. Press “4" to enter restore factory default settings menu. After hearing the voice prompt, press “#” key to confirm to restore factory default settings, the user will hear “Restore factory successful”. All information will be removed from the panel and administrator password will be restored to default 123456. The outdoor panel will be automatically restarted.

6.6. System information

Record query

After waking up the doorbell, press “* #”, the user will hear “please verify administrator”, enter the administrator password, swipe the administrator IC card or press the administrator's fingerprint to enter the system menu. Press “4" to enter the system information menu. Press "1" to enter the record query and the user can check the total number of records, record number, time, user and other information. Press “*” key to return.

Administrator statistics

After waking up the doorbell, press “* #”, the user will hear “please verify administrator”, enter the administrator password, swipe the administrator IC card or press the administrator's fingerprint to enter the system menu. Press “4" to enter system information menu. Press "2" to enter the administrator statistics and the user can check the number of password administrator records, the number of fingerprint administrator records and the number of IC card administrator records. Press “*" key to return.

User statistics

After waking up the doorbell, press “* #”, the user will hear “please verify administrator”, enter the administrator password, swipe the administrator IC card or press the administrator's fingerprint to enter the system menu. Press “4" to enter the system information menu. Press "3" to enter the user statistics, and the user can view the number of password records, the number of fingerprint records and the number of IC card records. Press the “*” key to return.

Version information

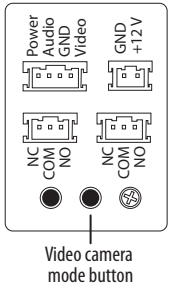
After waking up the doorbell, press “* #”, the user will hear “please verify administrator”, enter the administrator password, swipe the administrator IC card or press the administrator's fingerprint to enter the system menu. Press “4" to enter the system information menu. Press "4" to play the version information. Press the “*” key to return.

7. Video camera settings

Camera can work in three basic modes: AHD 1080p (2 MP) – default mode, AHD 720p (1 MP) or analog CVBS (PAL). While using high-resolution AHD modes, the monitor must maintain this type of signal, otherwise there will be no image on the monitor screen.

To switch video camera modes press and hold camera mode button during 5 seconds then release it to switch from the current mode to the next one in a such sequence:

AHD-H (1080P) → AHD-M (720P) → PAL → AHD-H (1080P) ...



8. Limited warranty

Manufacturer guarantees product normal functioning during the warranty period if the user keeps all safety instructions described in that manual.

Warranty period is 12 months from the moment of the product purchasing (warranty period could be extended up to 24 months or more, depending on the local regulations).

Warranty period allows user to make guarantee repair in cases when normal functioning of the product was violated by the fault of manufacturer and the user haven't offend transporting, installation and working conditions.

This limited warranty does not cover any damage to the product that results from improper installation, accident, abuse, misuse, natural disaster, insufficient or excessive electrical supply, abnormal mechanical or environmental conditions, or any unauthorized disassembly, repair or modification.

Warranty void in such cases:

- the product was damaged by the fault of the customer;
- the product wasn't properly installed according reccomendations from the manual;
- the sticker on the backside of the product was broken;
- the product was not used for its intended function.

This limited warranty covers only repair, replacement, refund or credit for defective products, as provided above. Manufacturer is not liable for, and does not cover under warranty, any damages or losses of any kind whatsoever resulting from loss of, damage to, or corruption of, content or data or any costs associated with determining the source of system problems or removing, servicing or installing products. This warranty excludes third party software, connected equipment or stored data. Manufacturer is therefore not liable for any losses or damage attributable to third party software, connected equipment or stored data.

In the event a product has been discontinued, manufacturer shall either repair the product, offer to replace it with a comparable product or provide a refund at the lesser of the purchase price or the product's current value.

Repaired or replacement products will continue to be covered by this limited warranty for the remainder of the original warranty term.