#### ACCESS CONTROL SYSTEM WITH FACE RECOGNITION AND TEMPERA-TURE MEASUREMENT SRT-01 **USER MANUAL**

# gardi

## **1. DESCRIPTION**

Access control system with face recognition system allows granting access in a very modern and safe way to the given facility for the authorized person. It is perfect solution for places like companies, offices, schools, hotels, public buildings etc.

The advanced algorithms used in the reader allows correct recognition of faces (even wearing a mask!) and based on this grants access to the selected rooms, facilities etc. The system is also equipped with a contactless body temperature meter, which can limit access for the person with a fever.

Another interesting feature is voice reminders about the necessity of wearing a mask. When a recognized person enters the room without a mask the system will remind about the necessity to wear it.

The device is equipped with relay output allowing direct connection of electric strike or other control components for gates, doors, walk gates etc.



#### Read the following instructions carefully before connecting the device.

The device should be CAUTION connected to grid in accordance with applicable

standards. The connection method is described in this manual. Operations related to: installation, connection and adjustment should be carried out by qualified electricians, who have read the user's manual and know functions of the equipment. The proper operation of the device is affected by how the device is transported, stored, and used. It is not advisable to install the device in the following cases: missing components, damage to or deformation of the device. If the device operates improperly, please contact the manufacturer.

The symbol means selective collecting of electrical and electronic equipment. It is forbidden to put the used equipment together with other waste

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## **TECHNICAL DATA**

| Internal operating system:              | Linux   |
|---|---|
| RAM:                                    | DDR3 8 GB   |
| Data memory:                            | 8 GB  |
| Display:                                | 7" HD IPS   |
| Camera:                                 | 2MP, wide-angle 120°, WDR- wide dynamic range,<br>LED lighting at night |
| Face recognition time:                  | < 1 second (for datebase with 30 000 faces)                             |
| Face recognition index:                 | 99.8%   |
| Number of faces that can be registered: | up to 50 000  |
| Connection to the network:              | Ethernet Port RJ45 100 m  |
| Communication protocol:                 | TCP/IP  |
| Supply voltage:                         | 12 V DC   |
| Operating temperature range:            | -10°C to 30°C   |
| Temperature measurement distance:       | 0,5 m   |
| Accuracy of temperature measurement:    | ± 0.3°C   |
| Housing protection degree:              | IP44  |
| Weight:                                 | 916 g   |
| Dimensions (without frame):             | 12 x 23 x 3 cm  |

## **APPEARANCE**



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## 2. INSTALLATION

|  | with an assembled tubular frame. A bracket for our<br>unscrew the frame with Allen key included in the  | direct surface mounting is also included in the kit.  |
|--|---|---|
| unting in its place  |   | e kit and install the base intended for surface-mo-   |
| Device installation on th  | ne mounting frame Dev   | ice installation on the base for surface mounting   |
| Mounting   |   |   |
| Network connecto   | $\xrightarrow{\text{or } RJ45}$   |   |
| Power supply connector<br>Relay<br>(NO/NC dry co   | output  | Base for surface mounting   |
| 3. CONNECTORS  |   |   |
|  |   |   |
|  |   |   |
| Network connector RJ45   | Power supply connector (12 V)   | Relay output (NO/NC dry contact)  |
|  |   |   |
| 4. FIRST START-UP AND  | CONFIGURATION OF THE NETW   | VORK CONNECTION   |
| The device can operate autonomo<br>setting purposes. After making all  | ously but it is required to connect it to the co  | omputer with LAN cable for configuration and  |
| The device can operate autonomo<br>setting purposes. After making all<br>lently.   | ously but it is required to connect it to the co<br>I necessary settings it can be disconnected f   | omputer with LAN cable for configuration and  |
| The device can operate autonomo<br>setting purposes. After making all<br>dently.<br>4.1. Connect the device to power sup<br>puter with active network card.<br>After the power supply is conne   | busly but it is required to connect it to the connect it to the connectation of the connected for the connected for the set and contract of the set and contracted, the device needs up to several minutes  | omputer with LAN cable for configuration and from the computer and it will operate indepen-   |
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| 4.3. Right click on the network connection and select "Properties" (Fig.2).  |
|--|
|  |
| Network Connections  |
| <ul> <li>→ → ↑ I I w Network and Internet → Network Connections → ♂</li> <li>Organise → Disable this network device Diagnose this connection Rename this connection →</li> </ul>   |
| Congaries et als network device Congrues et als connection (Rename das connection (Rename d |
| Unidentified Unidentified Disable  |
| Status       Diagnose  |
| Sridge Connections   |
| Create Shortcut  Ceate Shortcut  Ceate Shortcut  |
| Rename     Properties  |
| Là là  |
| Fig.2  |
| 4.4. Search for "Internet protocol version 4 (TCP/IPv4)" in the opened list, select it and press "Properties" button (Fig.3).  |
| Ethernet Properties  |
| Networking   |
| Connect using:   |
| Intel(R) PRO/1000 MT Desktop Adapter   |
| Configure  |
| This connection uses the following items:  |
| Client for Microsoft Networks      File and Printer Sharing for Microsoft Networks   |
| QoS Packet Scheduler   |
| ✓ Internet Protocol Version 4 (TCP/IPv4)     ✓ Internet Protocol Version 4 (TCP/IPv4)     ✓ Internet Protocol  |
| Microsoft LLDP Protocol Driver   |
| <ul> <li>✓ Internet Protocol Version 6 (TCP/IPv6)</li> <li>✓</li> </ul>  |
| Install Uninstall Properties   |
| Description  |
| Transmission Control Protocol/Internet Protocol. The default<br>wide area network protocol that provides communication<br>across diverse interconnected networks.  |
| OK Cancel  |
| Fig.3  |
|  |
| 4.5. Select "Use the following IP address" in the opened window, enter the IP address and Subnet Mask as shown in Fig.4 and confirm your selection with OK button.   |
| Internet Protocol Version 4 (TCP/IPv4) Properties X  |
| General  |
| You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.  |
| Obtain an IP address automatically   |
| Use the following IP address:  |
| IP address: 192.168.1.100  |
| Subnet mask: 255 . 255 . 0   |
| Default gateway:   |
| Obtain DNS server address automatically  |
| Ouse the following DNS server addresses:      Preferred DNS server:  |
| Alternative DNS server:  |
| Rys.4  |
| Validate settings upon exit Advanced   |
| OK Cancel  |
| Fig.4  |
|  |



## 5. LOGIN AND CONFIGURATION

#### 5.1. Logging in to the device

Once you have installed the IE Tab plug-in for Chrome and the WebCamera application as described in section 4 of this manual, you can now log on to your device. For this purpose:

Start Chrome browser - activate previously installed IE Tab plug-in (see section 4.6) and enter the address in the IE Tab address bar: 192.168.1.100 which should open the login screen again (Fig.10).



Fig.10

 Enter your login data details (username and password) and click "Login". The default login data: Login: admin Password: 123456

User name and password can be changed after login in the tab: System > User Manager in the settings menu.

#### 5.2. Device configuration

After logging in, you should see the main screen (Fig.11) with the device's camera preview, the language selection field, and the gear wheel symbol that you need to click to go to the device settings.





#### 5.2.1 The most important settings and configuration options

• EVENTS > Smart Analitics tab (Fig.12)

Majority of settings in this tab should be left with default values to ensure optimum operation of the device.

| Local Config     |   |
|------------------|---|
| User Manage      | Basic Config                                  |
|                  | Enable Open                                   |
| System settings  | FaceMatching Open v<br>Sensitivity 60 (0~100) |
| Safety           | FaceMinPixel Customize                        |
| Debug Log        | MinPixel 220 (30~300)                         |
| Ficture          | Face recognition maximum pixel (300~500)      |
| Metwork Settings | Advanced Config                               |
| Storage Settings | DetectionInterval 6 (4~20s)                   |
| Events           | Image Type Face Picture                       |
| Smart Analytics  | VivoDetection Open                            |
| List             | Threshold 7 (0~100)                           |
| Peripheral       | MaskCkEnable Open                             |
|                  | TempCkEnable Open V<br>StrangerTempCkt        |
| TempDiffSet      | Strangementpokedwww                           |

Enable (Open / Close) – activation or deactivation of the device (for "Close" - the device will not detect face, measure temperature etc.

- MaskCkEnable (Open / Close) switching on/off the mask detection
   TempCkEnable (Open / Close) switching on/off temperature detection
- StrangerTempCkEnable (Open / Close) switching on / off of temperature detection of unknown person (not entered into the system)
- WarnTemp temperature set for warning of increased body temperature for entering people
  - EVENTS > List tab (Fig.13)



Import List – tab allowing adding images of people, which should be recognized by the device

A picture of a given person can be added in two ways:

- photo file upload - function Picture Stype > Import – enter access path for the photo (maximum size 960 x 960 px) and click "upload" button. Give a name of the photo after upload (Picture Naming) - any name, e.g. name, surname and number (Picture Code) and click Add Whitelist to add it to the list of people authorized to enter.

- photo recording by the device - function Picture Stype > Snap - enter the name first (Picture Naming) and number (Picture Code) under which the picture will be recorded. Then place a person whose image should be recorded in front of the device and press "Add Whitelist" button. Now, the device will take a photo of recorded person and add its image to the list of persons authorized to enter. Before registering a new person, make sure that the face recognition function is active. Go to EVENTS > Smart Analitics tab and set the "FaceMatching" option to OPEN.

- **Preview List** – tab allowing you to preview a whitelist of people saved in the system who are allowed to enter the facility and remove them from the list (Fig.14)



| windform   wind   | 🖵 Syst   | tem Impor  | rt List Preview   | v List Contra   | st System Ider  | tify Recor                               | <u> </u>  |                                  |   |  |                          |
|--|--|--|---|---|---|--|---|----------------------------------|---|--|--------------------------|
| Were were were were were were were were  |  |  |   |   |   |  |   |                                  |   |  |                          |
| Augustant and the second of the seco   |  |  | tabase  |   |   |  |   | ]                                |   |  |                          |
| wighting     wighting     wighting     wighting     wighting         Wighting   wighting      Fig.18    Fig.18   ETTS>Peripheratabo-(Fig.16)   System   System settings   System settings   Ficure   Wighting   Wighting   VoiceSetting   User Manage   System settings   System settings   Picture   Network Settings   Storage Settings   |  | p  | Snaps   | not Name  | Id  | List                                     | Time  | Temperature                      | Wherher mask                              | Detailed situation                                   |                          |
| Not of the second seco   |  |  |   | No  | No  | Stranger                                 | 2020-06-17 07:59:24   | 36.43°C                          | NO  | simila rity:0%                                       |                          |
| Litter   Fig.15 Fig.25 FISSENDE Fig.25 FISSENDE Fig.25 FISSENDE Fig.25 FISSENDE Fig.26 Fig.26 Fig.26 Fig.26 Fig.27 Fig.27 Fig.27 Fig.27 Fig.27 Fig.27 Fig.27 Fig.27 Fig.28 </td <td></td> <td></td> <td>2</td> <td>No</td> <td>No</td> <td>Stranger</td> <td>2020-06-17 07:59:09</td> <td>36.31°C</td> <td>NO</td> <td>similarity:0%</td> <td></td>   |  |  | 2   | No  | No  | Stranger                                 | 2020-06-17 07:59:09   | 36.31°C                          | NO  | similarity:0%  |                          |
| Fig.15<br>Fig.15<br>FICTS>Peripheral tab – (Fig.16)<br>FICCOPen<br>Local Config<br>Local Config<br>User Manage<br>System settings<br>System settings<br>System settings<br>FaccOpen<br>User Manage<br>MatchSuccess ♥<br>TemperartureNormal♥<br>WearMask ♥<br>VoiceSetting<br>VoicePrompts Close ♥<br>MaskVoice ♥<br>MaskVo  |  |  | Last page   |   |   | Skip to this                             | Next page   |                                  |   |  |                          |
| Fig.15<br>FIG.15<br>FIG.15<br>FIG.15<br>FIG.16<br>FIG.16<br>FIG.06<br>FIG.06<br>FIG.06<br>FIG.06<br>FIG.06<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.07<br>FIG.0  |  |  |   |   | pare.   |  |   |                                  |   |  |                          |
| Fig.13<br>FIG.25<br>FIG.25<br>FIG.25<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26<br>FIG.26 |  | list   |   |   |   |  |   |                                  |   |  |                          |
| Fig.15<br>ETTS>Peripheral tab – (Fig.16)<br>System = System = Sisting<br>Local Config = Setting<br>Local Config = Setting<br>Local Config = MatchSuccess<br>System settings<br>System settings<br>Safety UearMask<br>Picture WaskVoice<br>Picture MaskVoice<br>Storage Setting<br>Storage Setting<br>List UideoSwitch<br>Smart Analytice<br>List UideoControl<br>Open<br>UideoControl<br>Depn<br>UideoControl<br>Depn<br>UideoControl<br>Depn<br>UideoControl<br>Depn<br>UideoControl<br>Depn<br>UideoControl<br>Depn<br>UideoControl<br>UideoControl<br>UideoControl<br>UideoControl<br>UideoControl<br>UideoControl<br>UideoControl<br>UideoControl<br>UideoControl<br>UideoControl<br>UideoControl<br>UideoControl<br>UideoControl<br>UideoControl<br>UideoControl<br>UideoControl<br>UideoControl<br>UideoControl<br>UideoControl<br>UideoControl<br>UideoControl<br>UideoControl<br>UideoControl<br>UideoControl<br>UideoControl  |  |  |   |   |   |  |   |                                  |   |  |                          |
| ENTS>Peripheral tab – (Fig.16)<br>Setting<br>Local Config<br>Local Config<br>User Manage<br>System settings<br>System settings<br>Safety<br>Debug Log<br>VoiceSetting<br>Picture<br>Network Settings<br>Storage Settings<br>Events<br>Smart Analytics<br>List<br>UnlockControl Open<br>UnlockControl Open<br>UnlockControl Open<br>UnlockControl Open<br>UnlockControl Open<br>UnlockControl Open<br>UnlockControl Open<br>UnlockControl Open<br>UnlockControl Open<br>UnlockControl Open  |  |  |   |   |   |  | Fia.15  |                                  |   |  |                          |
| System Setting   Local Config FaceOpen   User Manage Match Success I   System settings TemperartureNormal I   Safety VearMask   Debug Log VoiceSetting   Debug Log VoicePrompts   Picture MaskVoice   MaskVoice Close   MaskVoice Close   VideoSetting VideoSetting   VideoSetting VideoSetting   VideoSetting VideoSetting   VideoSetting VideoSetting   VideoSetting VideoSetting   UnlockingParam UnlockControl Open (1~254)*50ms   |  |  |   |   |   |  |   |                                  |   |  |                          |
| Local Config       FaceOpen         User Manage       MatchSuccess         System settings       TemperartureNormal ♥         Safety       WearMask         Debug Log       VoicePrompts         Picture       MaskVoice         Network Settings       VideoSetting         VideoSettings       VideoSetting         VideoSettings       VideoSwitch         List       UnlockingParam         UnlockOutputTim20       (1~254)*50ms   | /ENTS>   | Peripheral   | tab – (Fi   | g.16)   |   |  |   |                                  |   |  |                          |
| Local counting     Match Success       User Manage     Match Success       System settings     TemperartureNormal ✔       Safety     ✔       Debug Log     VoiceSetting       VoicePrompts     Close       Picture     MaskVoice       MaskVoice     Close       Network Settings     VideoSetting       VideoSetting     VideoSetting       VideoSwitch     Close       VideoSwitch     Close       Ist     UnlockingParam       UnlockOutputTime20     (1~254)*50ms  | Ţ  | System   |   | Settin  | ig  |  |   |                                  |   |  |                          |
| System settings TemperartureNormal    Safety WearMask   Debug Log VoiceSetting   Debug Log VoicePrompts   Picture MaskVoice   MaskVoice Close   MaskVoice Close   VideoSetting VideoSetting   VideoSetting VideoSetting   VideoSetting VideoSetting   VideoSetting VideoSetting   VideoSetting VideoSetting   VideoSwitch Close   Events UnlockingParam   List UnlockOutputTime20  |  | Local Co   | onfig   | FaceO   | )pen  |  |   |                                  |   |  |                          |
| System settings   Safety   Debug Log   Picture   Network Settings   Storage Settings   VideoSetting   VideoSutch   Close   |  | User Ma  | nage  | Ma  | atch Succe  | SS                                       | ✓   |                                  |   |  |                          |
| System settings   Safety   Debug Log   VoiceSetting   VoicePrompts   MaskVoice   MaskVoice   MaskVoice   VideoSetting   VideoSetting   VideoSwitch   Close   VideoSwitch   Close   Debug Log   VideoSetting   VideoSetting   VideoSwitch   Close   UnlockingParam   UnlockControl   Open   UnlockOutputTime20  |  |  |   | Te  | mperartu  | reNo                                     | mal 🔽   |                                  |   |  |                          |
| Safety   Debug Log   VoiceSetting   VoicePrompts   Close   MaskVoice   MaskVoice   MaskVoice   VideoSetting   VideoSetting   VideoSwitch   Close   VideoSwitch   Close   VideoSwitch   Close   VideoSwitch   Close   UnlockingParam   UnlockControl   Open   UnlockOutputTime20  |  | System   | settings  |   |   |  |   |                                  |   |  |                          |
| Debug Log   VoicePrompts   Picture   MaskVoice   MaskVoice   MaskVoice   VideoSetting   VideoSwitch   Close   VideoSwitch   Close   VideoSwitch   Close   VideoSwitch   Close   UnlockingParam   UnlockControl   Open   UnlockOutputTime20   |  | Safety   |   | ¥-*   | Cott-   |  | _   |                                  |   |  |                          |
| ▶ Picture     MaskVoice     MaskVoice     MaskVoice     VideoSetting     VideoSwitch     Close     UnlockingParam   UnlockOutputTime20      UnlockOutputTime20   |  | Debug L  | .og   | voice   | Setting   |  |   |                                  |   |  |                          |
| MaskVoice   MaskVoice     MaskVoice     MaskVoice     VideoSetting     VideoSwitch     Close     UnlockingParam   UnlockOutputTime20      UnlockOutputTime20   |  | Dicture  |   | Vo  | oicePromp   | ts                                       | Close   | $\checkmark$                     |   |  |                          |
| VideoSetting       VideoSwitch       Events       Smart Analytics       List     UnlockControl       Open       UnlockOutputTime20   |  | Ficture  |   | Ma  | askVoice  |  | Close   | $\checkmark$                     |   |  |                          |
| UnlockingParam       UnlockControl       UnlockOutputTime         UnlockOutputTime   |  | Network Set  | ttings  | Video   | Setting   |  |   |                                  |   |  |                          |
| Events UnlockingParam UnlockControl Open UnlockOutputTime20 (1~254)*50ms   |  | D Events   |   | Vi  | deoSwite  |  |   |                                  |   |  |                          |
| Smart Analytics<br>List UnlockControl Open V<br>UnlockOutputTime20 (1~254)*50ms  |  |  |   | VI  | ueoswitci   |  | Close   | $\checkmark$                     |   |  |                          |
| List UnlockControl Open V<br>UnlockOutputTime20 (1~254)*50ms   |  |  |   | Unloc   | kingPara  | m  |   |                                  |   |  |                          |
| List<br>UnlockOutputTime20 (1~254)*50ms  |  | Smart A  | nalytics  | Ur  | lockCont  | rol                                      | Open  | $\mathbf{\vee}$                  |   |  |                          |
|  |  | List   |   | Ur  | nlockOutp   | utTim                                    |   |                                  | 254)*50ms                                 |  |                          |
|  |  | Peripher   | ral   |   |   |  | -   |                                  | ,   |  |                          |
|  |  |  |   | 51  |   |  | Local   | •                                |   |  |                          |
|  | en recog<br>mperation<br>th increate<br>arMasion<br>bicePror<br>askVoic<br>biockCo | gnized)<br>ureNormal<br>ase tempera<br>k – activatio<br>mpts – (ope<br>e – (open / o<br>ntrol – (ope | – activati<br>iture)<br>in or deac<br>in / close)<br>close) – a<br>en / close | on or de<br>ctivation<br>– voice<br>ctivatio<br>) – swite | eactivati<br>of masl<br>messa<br>n / deac<br>ching of | on of<br>wea<br>ges s<br>tion o<br>relay | ctivation(active op<br>temperature mea<br>aring necessity (ac<br>witching on / off<br>of voice message<br>output between t<br>opening | asureme<br>ctive opt<br>about th | ent(active o<br>tion prever<br>ne need to | ption prevents a<br>its access of per<br>wear a mask | ccess of p<br>son withou |

| 🖵 System         | Video Coding                  | Audio Parameter |
|------------------|-------------------------------|-----------------|
| Local Config     | Enable                        | $\checkmark$    |
| User Manage      | Audio Input                   | Mic             |
| System settings  | Compression<br>Type           |                 |
| Safety           | Audio Bitrate                 | 16000           |
| Debug Log        | Sampling Rate<br>Input Volume | 44k V<br>8      |
| E Picture        | Output Volume                 | 10              |
| Network Settings |                               | Save            |
| Storage Settings |                               |                 |
| Events           |                               |                 |
| 💽 Video Settings |                               |                 |
|                  | Fig.                          | 17              |

| WARRANTY CARD                               |  |
|---|--|
| There is 24 months guarantee on the product |  |
|   | <ol> <li>ZAMEL provides a two-year warranty for its products.</li> <li>The ZAMEL warranty does not cover:         <ul> <li>a) mechanical defects resulting from transport, loading / unloading or other circumstances,</li> <li>b) defects resulting from incorrect installation or operation of ZAMEL products,</li> <li>c) defects resulting from any changes made by CUSTOMERS or third parties, to products sold or equipment necessary for the correct operation of products sold,</li> <li>d) defects resulting from force majeure or other aleatory events for which ZAMEL is not liable.</li> </ul> </li> <li>All complaints in relation to the warranty must be provided by the CUSTOMER in writing to the retailer after discovering a defect.</li> <li>ZAMEL will review complaints in accordance with existing regulations.</li> <li>The way a complaint is settled, e.g. replacement of the product, repair or refund, is left to the discretion of ZAMEL.</li> <li>Guarantee does not exclude, does not limit, nor does it suspend the rights of the PURCHASER resulting from the discrepancy between the goods and the contract.</li> </ol> |
| Salesman stamp and signature, date of sale  |  |