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, 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



plik: SRT-01_inst_gardi_GB | modyfikacja: 29.10.2020

2. INSTALLATION

To mount the device in the surface u	with an assembled tubular frame. A bracket for our 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	g frame device	
Network connecto	$\xrightarrow{\text{or } RJ45}$	
Relay (NO/NC dry co	output ontact)	Base for surface mounting
3 CONNECTORS		
Network connector RJ45	Power supply connector (12 V)	Relay output (NO/NC dry contact)
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4.3. Right click on the network connection and select. Properties" (Fig. 2)
4.5. Right block on the network connection and select "Froperites (Fig.2).
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Unidentified Unidentified Disable
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Rename
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:
Glient for Microsoft Networks File and Printer Sharing for Microsoft Networks
QoS Packet Scheduler
✓ ✓
Microsoft LLDP Protocol Driver
Internet Protocol Version 6 (TCP/IPV6)
Install Uninstall Properties
Description
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication 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
Use the following UNS server addresses: Preferred DNS server:
Alternative DNS server:
Rys.4
□ vaiidate 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 Coning	Basic Config
User Manage	Enable Open
System settings	FaceMatching Open V
Safety	Sensitivity DU (0~100) FaceMinPixel Customize V
Debug Log	MinPixel 220 (30~300)
E Picture	Face recognition maximum pixel 420 (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)
Derinherel	MaskCkEnable Open
renpheral	TempCkEnable JOpen
TempDiffSet	StrangerTempCktjUpen

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)



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🖵 System	Video Coding	Audio Parameter
Local Config	Enable	\checkmark
User Manage	Audio Input	Mic
System settings	Compression Type	AAC
Safety	Audio Bitrate	16000
Debug Log	Sampling Rate Input Volume	44k V 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	
	 ZAMEL provides a two-year warranty for its products. The ZAMEL warranty does not cover: a) mechanical defects resulting from transport, loading / unloading or other circumstances, b) defects resulting from incorrect installation or operation of ZAMEL products, 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, d) defects resulting from force majeure or other aleatory events for which ZAMEL is not liable. All complaints in relation to the warranty must be provided by the CUSTOMER in writing to the retailer after discovering a defect. ZAMEL will review complaints in accordance with existing regulations. The way a complaint is settled, e.g. replacement of the product, repair or refund, is left to the discretion of ZAMEL. 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.
Salesman stamp and signature, date of sale	