VIDEO DOOR INTERCOM
User Manual

MODEL alfanar VILLASET	ODU-V1	IDU-TS7	PS-18E	SWITCH8-POE
Version	SH-VIP01A - Version.13			
Date	3 July 2018			

Thank you for purchasing alfanar product
Please read these User Instructions before using the product and keep for future reference

(V.08)

الفنار
alfanar

1. Screen Saver

Screen saver of indoor unit IDU-TS7 room monitors show date and time information as default. In case of missed call, do not disturb etc. additional icons appear on the screen as indicator.

a) Date and time settings can be programmed from SETTINGS / Date and Time.

b) Theme (background picture and colors) can be selected from SETTINGS / General Settings / Change Theme.

c) It is possible to use the device as a photo frame by loading the preferred picture through SETTINGS / General Settings / Screen Saver Settings.

Figure 1: Screen saver

2. Main Screen

Icons in the main screen have the following functions :

a) DOOR & ROOMS : Making connection/calls to rooms and door panels.

b) RECENT CALLS & PHOTOS : Checking incoming/outgoing/unanswered calls. It is also used to save the pictures of unanswered calls and the picture taken during calls.

c) CAMERAS : Monitoring cameras connected to the network. The camera parameters are set from SETTINGS / Camera Settings

d) SMART HOME : Activating smart home related features. Type of smart home is selected from SETTINGS/Smart Home

e) SETTINGS : SETTINGS icon is located on the right upper corner to control all settings of the device and functionalities

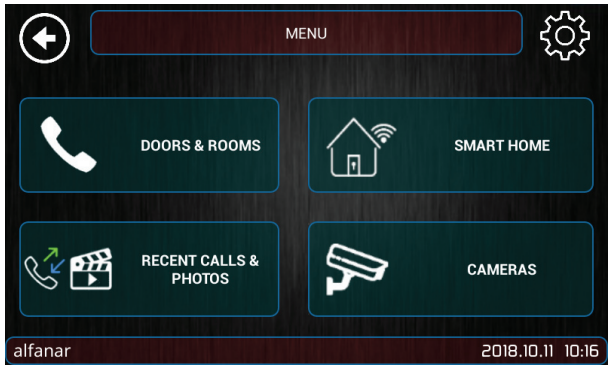

Figure 2: Main Screen

3. Doors & Rooms Screen

It is used to call the other rooms and connect to the door panels. Call / connection is initiated by touching the related icon.

Up to 4 doors and 4 rooms can be connected in a single network. Connected devices have bold white color, where non-connected devices have faded white color.

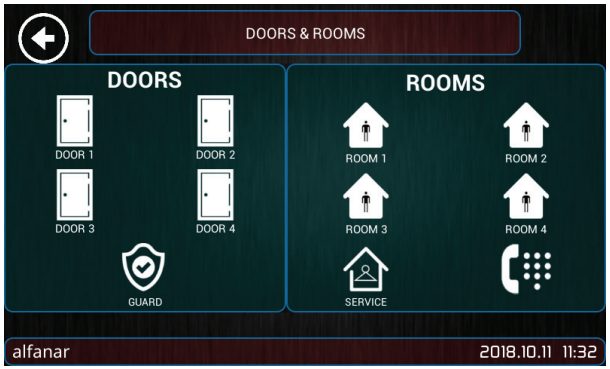

Figure 3: Doors and Rooms

a) If parallel monitors are connected, they (4 of them) all ring at the same time. When one of the monitors answers the call, conversation starts and all the other monitors stop ringing. During the ringing period, only the master monitors show the video of the outdoor camera. All the other monitors show a calling message on them. If one of the non-master monitors' answer the call, it gets the video immediately.

b) Rooms: All room devices can make calls between each other.

c) IP Telephones: Rooms can call other locations such as GUARD, SERVICE and OTHER IP by touching the related icons. GUARD / SERVICE / OTHER IP may be standard SIP phones connected to the network. The names, IP address of the SIP phones of GUARD/ SERVICE/ OTHER IP can be defined from SETTINGS / Device Names. Any IP telephone can be called using the keypad under Doors section. The last octet of the IP address is the calling number of the SIP phone.
Example: 162.168.1.150 IP address phone is called by dialing 150. It is possible to use the keypad located in the DOORS section to directly call the SIP phones.

d) DOORS: Up to four door panels can be connected to the network. By touching the related door icon, connection to the door panel is established. It is possible to see the camera of the panel, talk and open the door. The keypad is used to call the SIP phones by dialing their numbers.

4. Recent Calls & Photos

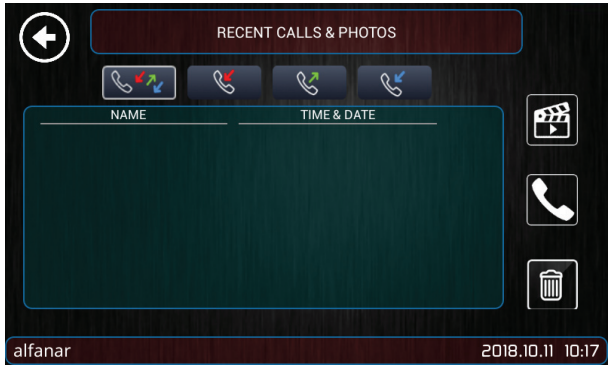

Figure 4: Recent Calls & Photos

All incoming, outgoing and unanswered calls can be tracked from Recent Calls & Photos page.
To call the number back, telephone icon located on the middle right is tapped.
By tapping delete, entries can be deleted one by one. If delete icon is pressed and hold, all entries are deleted.
Picture icon located on the upper right corner is used to save pictures captured during the call or unanswered calls. A snapshot of the outdoor camera view is captured if call is not answered by the indoor monitor, so all unanswered calls are saved.

5. Cameras

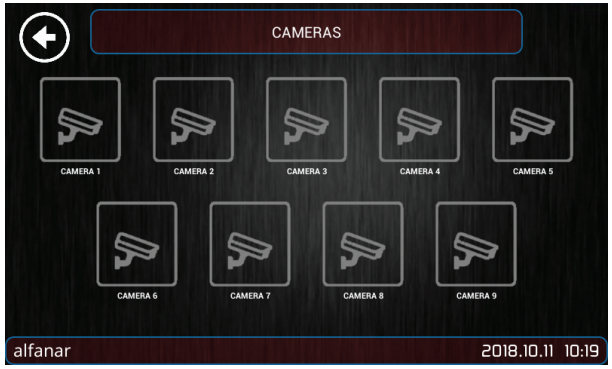

Figure 5: Cameras

Nine IP cameras can be monitored from a single IP monitor. Camera names and parameters are entered from SETTINGS/Camera Settings.

6. SMARTHOME Page

User can define own preferences about smart home application support by alfanar IP VILLASET from SETTINGS/Smart Home

7. Settings

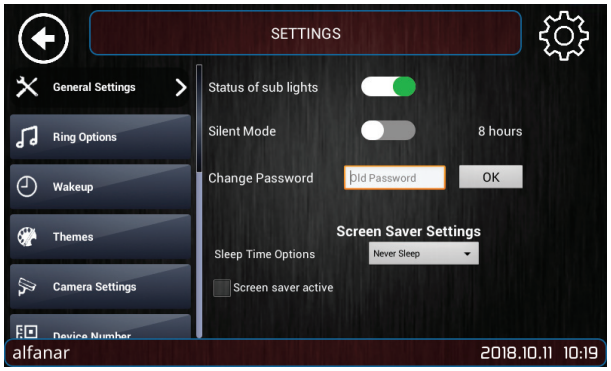

Figure 6: Settings

General Settings:

a) Status of sub lights: Night LEDS located on the bottom of the monitor can be turned ON/OFF.
b) Silent Mode: For muting the device so it will not ring. Muting period is 8 hours. After 8 hours, silent mode turns off.
c) Change Password: Setting android system password. (Default is 0000)
d) Change Theme: Theme (background color and icon colors) can be changed
e) Screen Saver Settings: Monitor can be used as a picture frame
If "Screen Saver Active" window appears to upload new background photo that will be used as screen saver from SD card or internal memory.
Rings Options: Update ring tone and duration of the calls to each function
Wake Up: To set an alarm clock with Time and Days
Device Number: For defining monitor numbers as 1, 2, 3, 4 with corresponding room numbers. Note that room1 is master room and it should always be present.
Language: For selecting optional language preferences
Device Name: For updating room and door names as well as IP telephone addresses
Smart Home: Preferred smart home application is selected from alfanar KNX, alfanar Premium, alfanar Mini
Manual: User manual of the device.
About: Technical and software information of the monitor.
Date and Time: For updating date and time information
Factory Settings: To return the device to factory parameters. Note that only user dependent parameters are set to factory values.
Phone Connection: Not used.
Themes: For choosing a theme to the graphic user interface.
Camera Settings: It is used to set up the IP camera(s) parameters connected to the same network.
One camera example for Camera1:
CAMERA1 rtsp//admin:1111@10.99.28.1:554/live/sub
CAMERA1 name can be edited.
Admin: 1111 shows the username and the password of the camera. If there is no camera, it should be deleted.
10.99.28.1:554 shows the IP address and port number of the camera.
live/sub shows that the sub stream of the camera is used.
Example: If there is no user name and the pass word, enter the following parameter with the IP address:
rtsp//10.99.28.1:554/live/sub

8. General Intercom Functionalities

a) Calling room monitor from outdoor unit:

ODU-V1 has a blue color touch button for calling room monitors. When a visitor touches the blue colored button, color of the button turns to yellow instantly. Monitor starts ringing and the screen shows the visitor, taking video image from ODU-V1 camera.

When ODU-V1 calls the room monitor, icons appear on the video image:

-  icon is used to start conversation between door and monitor
-  icon is used to open the door
-  icon is used to reject the call
-  icon is used to take a snapshot of the video
-  icon is used to adjust the sound level
-  icon is used to adjust the brightness level

If parallel monitors are connected, they all ring at the same time. When one of the monitors answers the call, conversation starts and all the other monitors stop ringing. During the ringing period, only the master monitors show the video of the outdoor camera. All the other monitors show a calling message on them. If one of the non-master monitors' answer the call, it gets the video immediately.

Duration of door to room conversation is 60 seconds after the conversation starts. Tapping  icon on the monitor ends connection immediately.

b) Calling outdoor panels from room monitor:

Four door units and four room monitors can be connected to each system. Connected rooms and doors can be seen from "Doors & Rooms" in the main page.

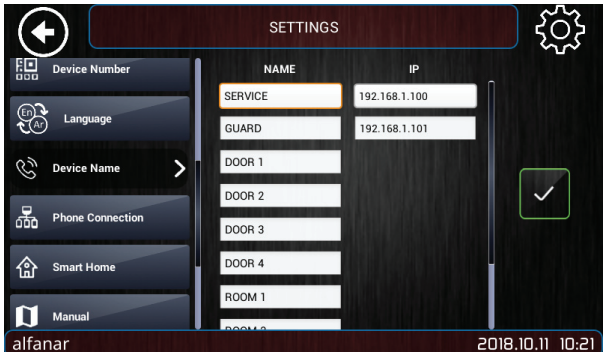

Figure 7: Changing door and room names

Technical Specifications Of ODU-V1 Outdoor Unit

Camera	0.3 Mpixel CMOS with night vision, 120 degrees viewing angle
TFT Card	Yes
CPU speed	1.8GHz
RAM	1GB
FLASH	4GB
OS	Android
Transmission	TCP/IP
Connection Protocol	SIP
Voice Codec	G.711
Video Codec	H.264
Network Connection	Ethernet (PoE)
Working Voltage	12-18VDC (PoE)
Working Current	190mA stand-by, 250mA active
Button Type	Capacitive touch
Button Color	RGB
Working temperature	-10, +70°C
Humidity	%20-96 non-condensed
Installation	Surface mount
Colors	Natural Light grey
Night Vision LED	5 pieces (ON when the camera is active)
Dimensions	120x171x20 mm
Protection	IP65 (rain, water and dust protection)

Technical Specifications Of IDU-TS7 Indoor Unit

Screen	7” TFT LCD Touch Screen
Resolution	1024x600 pixel
TFT Card	Yes
CPU speed	1.8GHz
RAM	1GB
FLASH	4GB
OS	Android
Transmission	TCP/IP
Connection Protocol	SIP
Voice Codec	G.711
Video Codec	H.264
Network Connection	Ethernet (PoE)
Working Voltage	12-24VDC (PoE)
Working Current	250mA stand-by, 300mA active
Working temperature	-10, +55°C
Humidity	%20-96 non-condensed
Installation	Surface mount
Colors	Natural Light Grey
Dimensions	256x147x19 mm

PS-18E Adaptor User Manual

Power supply for the system

Features :

Name	PS-18E ADAPTOR
Working Voltage	100-240V AC
Working Current	1.5A (Max)
Output Voltage	+18VDV
Current	3.3A (Max)
Ripple and noise	Output voltage (Max) . %1
Working Temperature	-5C°,+55C°
Humidity	%90 non-condensed

Figure8: Power Supply

Description :

1. Green LED light turns on when energy source (220 VAC) is connected
2- Red cable indicates (+), black cable GND indicates (-)
3- Adaptor is short circuit protected

Remarks :

1- Installation area should be distanced from heat, humidity and liquid.
2- In case of short circuit or high current, short circuit protection is activated. When short circuit situation is removed, the device resumes working.

SWITCH8-POE USER MANUAL

Feeds up to 8 passive Power over Ethernet (PoE) devices and connects them.

FEATURES :

Name	SWITCH8-POE (8 PORT POE SWITCH)
Voltage	+18V DC nominal (±6VDC)
Current	0,7A (max), 0,2A (standby)
Working Temperature	-5C°,+55C°
Humidity	%90 non-condensed

Figure 9: PoE Switch

Description:

1- Device is connected to 18VDC adaptor by paying attention to feeding connector and +/- polarity.
2- RJ45 sockets of CAT6 (AWG23) cables coming from passive PoE's other end (i.e. monitor, door panel etc.) are inserted to the device one by one.
3- If the port's LED is on, it means that is working.
4- If there are multiple switches in the project, it is not advised to connect more than 6 SWITCH8-POE's consecutively.

Remarks:

5- Installation area should be distanced from heat, humidity and liquid.
6- Device might break down, if currency level passing from ports exceeds the stated amount.
7- Device's +18VDC feeding ends should be connected correct.