# Technaxx<sup>®</sup> \* User Manual

# IP-Cam HD Outdoor

# with LED Floodlight TX-83

# WiFi outdoor camera including LED floodlight lighting

#### Important Hint regarding the User Manuals:

All languages of the user manual you find on the CD enclosed. The english and german version of the user manuals you also find as printed version enclosed. Before using the device the first time, read the user manual carefully.

# Content

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The Declaration of Conformity you find here: **www.technaxx.de/** (in bar at the bottom "Konformitätserklärung"). Before using the device the first time, read the user manual carefully.

# Service phone No. for technical support: 01805 012643 (14 cent/minute from German fixed-line and 42 cent/minute from mobile networks). Free Email: support@technaxx.de

CE

Hints for Environment Protection: Packages materials are raw materials and can be recycled. Do not disposal old devices or batteries into the domestic waste. **Cleaning:** Protect the device from contamination and pollution (use a clean drapery). Avoid using rough, coarse-grained materials or solvents/aggressive cleaner. Wipe the cleaned device accurately. **Distributor:** Technaxx Deutschland GmbH & Co.KG, Kruppstr. 105, 60388 Frankfurt a.M., Germany

If you drill a hole in the wall, please make sure that power cables, electrical cords and/or pipelines are not damaged. When using the supplied mounting material, we do not take the liability for a professional installation. You are entirely responsible to ensure that the mounting material is suitable for the particular masonry, and that the installation is done properly. When working at higher altitudes, there is danger of falling! Therefore, use suitable safeguards.



# Features

WiFi outdoor camera including LED floodlight lighting • Video resolution HD 1280x720 with 5-25fps • Brilliant 1/4" CMOS colour sensor (1 megapixel) • H.264 video stream in HD 720P resolution • Alarm function (automatic E-mail & Push notice) • Switch ON/OFF the light by APP • Motion detection 6~10m • PIR sensor for the LED floodlights 6~8m • Sound detection 60dB minimum • Built-in microphone & speaker • Auto light sensor & 2 LED floodlights with 12x LED each for 6~10m illuminated viewing area • Built-in IR-CUT filter for improved day/night vision • Automatic LED floodlight at motion detection •Communication interface 1 RJ45 10M/100M self-adaptive Ethernet • Supports MicroSD cards up to 64GB
Configuration via Access Point / WiFi connection • IP65 camera protection class (against waterjet & dust) • Easy "do-it-yourself" installation

# **Technical specifications**

Wireless transmission	Supports 802.11.b/g/n wirel	ess protocol					
	0.5W / 24x high power LED	-					
Light source Detection	• 1						
	Angle 70°~80°, Range 6~10						
Lens	F = 3.6mm @ F1.2; Horizor						
Shutter	1/50 (1/60) seconds ~ 1/100000 seconds						
Time delay control	10 – 120 seconds						
Minimum illumination	Colour: 1.0 Lux @ F1.2; AG						
	B/W: 0.1 Lux @ F1.2; AGC						
Video (adjustable)	Brightness, Contrast, Sharp	ness, Saturation					
Video stream	128Kbps ~ 4Mbps						
Audio compression	G.711						
Sound detection sensitivity	60dB minimum						
Sync Mode	Internal synchronous						
S/N Ratio	> 40dB						
Communication interface	RJ45 10M/100M self-adapti	ve Ethernet interface					
Protocol	TCP/IP, HTTP, DHCP, DNS	S, DDNS, SMTP, NTP, etc.					
Password	Password protection						
Power supply	External power adapter DC	12V (+/- 10%) / 2A					
Power consumption	16W maximum						
Operating temperature	-10°C up to +60°C, humidit	y 90% or less					
Weight / Dimensions	1.2kg / (L) 20 x (W) 15 x (H)	) 20cm (with Antenna 40cm)					
Package Contents	screw (D), 2x Plastic plug	loodlight TX-83, 2x screw (A), 1x (B), 1x Crossbar (C), Antenna, cable, Pad for the camera foot, pack, CD, User Manual					
<ul> <li>4000000000000000000000000000000000000</li></ul>	60000000000000000000000000000000000000						
2x screws (A)	1x screw (D)	2x Plastic Plug (B)					
1x Crossbar (C)	1x Antenna	1x RJ45 cable					

Supports: Windows operating systems; Internet-Browser (Internet Explorer, Mozilla Firefox, Google Chrome, Opera, Safari); Smartphones (iPhone & Android)

# **1. Device Structure**



Front view

Side view

No.	Name	Description
1	White light source	The camera will use these in low-light conditions to generate a
		black and white image, even in total darkness.
2	Fixed hole	The camera can be fixed on a wall with screw through this hole.
3	Microphone	Allows the camera to pick up nearby sounds, and stream them
		with the video.
4	Lens	The business end of the camera. For a reliable and clear
		image, ensure that the lens stays clean and unobstructed. To
		clean, use a dedicated lens cleaning solution and cloth,
		available from all good photography stores.
5	PIR sensor	This is an electronic sensor that measures infrared light
		radiating from objects in its field of view.
6	Antenna	Used to transmit the wireless signal to the router. For the best
		results, the antenna should be as unobstructed as possible -
		ideally having a clear line of sight to the receiver.
7	Mounting bracket	The supplied mounting bracket can be screwed onto any flat
		surface.
8	RJ45	For a wired connection, connect this to a spare port on your
	Ethernet connector	home router. So you can use the Security Advanced App on
		your mobile device.
9	Reset button	Long press and hold it longer then 15 seconds when the power
		is disconnected and reconnected. Attention: all settings will
		revert to the factory defaults.
10	Power socket	Connect the power adapter here.(DC12V/2A)
11	MicroSD card slot	Insert a MicroSD card (up to 64GB) for allowing you to capture
		a series of snapshots and video files.

# 2. Installing the mobile APP

The TX-83 works with iPhone and Android devices. Install the mobile APP and use your mobile for remote viewing/control your camera. The mobile APP is free to download for you, and is available from the respective Apple APP Store and Google Play Store.

# **Install APP on Android**

- 1. Open Google Play Store.
- 2. Search for "Security Advanced".
- 3. Touch INSTALL.
- 4. Review the App's permissions, then touch ACCEPT to download.

#### Install APP on iPhone/iPad

- 1. Open the APP Store.
- 2. Search for "Security Advanced".
- 3. Tap INSTALL to download APP.

After installing Security Advanced APP on your mobile device, just locate the Security Advanced APP and tap the icon to run. The APP will load and take you directly to the Device list screen.

# 3. Connecting the camera to your network



#### **Important Safety Instructions**

- Make sure product is fixed correctly and stable if fastened in place.
- Do not operate if wires and terminals are exposed.
- Apply for garden/square/wall/garage etc.

#### **Default Password Information**

- To ensure your privacy, this device supports password protection.
- The default, all-access username is admin, the default password is empty.

• To ensure your ongoing privacy, we strongly recommend setting a new password as soon as possible.

The camera works with your home Internet connection and wireless router. There are two ways you can follow to set up the camera with your WIFI network.

# 3.1 Method1: First installation (Camera Access Point)

#### 3.1.1 Preparation



First connect the output of the supplied 12V power adapter into the power socket on the camera. Second plug the power adapter into the wall socket.

#### 3.1.2 Add camera

Wait for about 90 seconds when the camera started up then operate according to the below steps:

(1) Tap "Settings" on your phone and go to "WIFI" option, look for the WIFI network named

like "LEDCAM\_XXXXX", please connect your phone to it by clicking on it.

(2) Enter the WIFI password, default value is 0123456789, then click "Join" to save.

(3) Now your phone has been connected to the LED camera WIFI network.

(4) Start the Security Advanced APP, and touch "Add device" to enter the adding device screen.

(5) Tap "LAN search" to enter the "Search device" screen for searching the camera.

(6) Search out the Device ID, directly touch the camera then return to "Add device" screen.

(7) Enter the camera password.

**Notice:** The camera factory Settings password is empty, so when the first using of the camera, no need to enter the password here and can tap the "Done" directly. To ensure your ongoing privacy, we strongly recommend setting a new password as soon as possible.

(8) Tap" Done" to save.

Now the camera is added in the "Devices" list successfully.

Important: To connect the camera to your home WIFI router, please refer to chapter 3.3.

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Scan QR code		Scan QR code	
LAN search		LAN search	
			Device list My messages Scene mode About

# 3.2 Method2: Search camera in the LAN

# 3.2.1 Preparation

1	Router	3	DC12V Connection
2	AC Wall Socket	4	RJ45 Connection

(1) Connect the RJ45 Ethernet connection on the camera, to a spare port on your router using the included Ethernet cable (or a longer one if required).

(2) Connect the output of the supplied 12V power adapter into the power socket on the camera.

(3) Plug the power adapter into the wall socket. Now the camera is initializing and it will last about 90 seconds then enter normal status.

3.2.2 Add camera



(1) Start the Security Advanced APP, and Touch the "Add device" to enter the adding device screen.

(2) Tap "LAN search" to enter the "Search device" screen for searching the camera in the

LAN. Notice: Mobil device and camera have to be connected to teh same WiFi-Router.

Both mobile and camera should be connected to the same WIFI router.

(3) If search out the Device ID, directly touch the camera then return to "Add device" screen.

(4) Enter the camera password .

**Notice:** The set password in the camera settings is empty. Therefore, you do not need to enter a password when using the camera for the first time. Tap directly on "Done". We strongly recommend that you set a new password as soon as possible to ensure data protection.

(5) Tap "Done" to save.

# **3.3 Wireless Network Connection**

If you want to connect the camera to router with WiFi, please enter the camera setting  $\rightarrow$  WiFi setting to set up, steps shown in the figure below:

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(1) Start the Security Advanced APP, Touch the gear shape icon to enter the camera setting screen.

(2) Tap "WIFI setting" to enter the WIFI setting screen.

(3) Tap "Manage WIFI network" to search the nearby WIFI signals.

(4) Select one WIFI SSID which you want to connect to, and tap it.

(5) Enter the WIFI router password.

(6) Tap "Done" to save. Now the camera will restart and the RJ45 network cable can be pulled out.

**Notice:** If need help, please Touch the "About"  $\rightarrow$  "Help" in the APP, there is detailed description for each icon. The Android and IOS screen styles are basically the same, both of them can be operated according to this instructions.

# 4. Insert a MicroSD card for recording



First open the card slot cover. Second insert a MicroSD card (up to 64GB)to the slot, look for the right direction. Third close the card slot cover.

# 5. Install the WiFi antenna



Left and right Up and down

Use a clockwise motion to connect the antenna. Make sure the antenna is connected firmly but not excessively. It is recommended to leave the antenna in a vertical position for best reception.

# 6. Camera installation guide

Confused on which location to install your camera? The camera can be installed in a number of different locations. Camera location can depend on the following.

#### 6.1 Camera Location Tips

You may need to install multiple cameras if you want to focus on specific areas that you would like to monitor, for example, one for the garden, the other on the front gate entrance.

Take attention to: the distance from the camera to the recording device, the environmental conditions such as rain or snow, the lighting conditions during the day and night, the area that you would like to monitor.

When you position cameras correctly, you can eliminate the need for additional cameras to cover your target area and maximize the efficiency of your security system. On the flip side, if you position cameras incorrectly, it can lead to blind spots or to have objects that are not visible or too far for the cameras to view in detail. Keep these points in mind to get the most out of your security system.

Mount cameras at an elevated position - Mounting your cameras at an elevated position, can keep your cameras out of range of vandals or would be burglars. It also allows your camera to have a high vantage point increasing its viewing area.

Cover your target area: When placing cameras, make sure you provide ample coverage, but not in excess. For example, if you are trying to cover a front gate, don't zoom in to only have the gate in frame. Position the camera to cover part of your front gate so you capture as much area as possible without sacrificing video quality.

# 6.2 Camera Field of View

The Field of view produced by a camera is the area that the camera can see. It is an important factor to consider as it determines not just what the camera can see, but also the level of detail that is visible at a given distance.

Cameras with a smaller lens, also known as a wide-angle lens, produce a greater Field of View than cameras with a larger lens. This means that the camera can see a large area but the objects will appear smaller within the scene area. This is useful if you want to monitor an entire room or a yard. Cameras with a larger lens also known as narrow-angle have a smaller Field of View. They can see a limited area, but objects will appear larger within the scene area. This is useful if you want to monitor a specific target such as a doorway or entrance. The included camera's lens is 3.6mm by default.



1	Wide Angle: About 60 degree; Fixed Lens: f=3.6mm; The best view range: 1-5m
2	Narrow Angle: About 40 degree; Fixed Lens: f=6mm; The best viea range. 5-10m

# 6.3 Lighting Tips

For best results do not point the camera towards a light source. Pointing the camera towards a glass window intending to see outside may result in a poor image because of glare and lighting conditions inside and outside. Do not place the camera in a shaded area that is looking into a well lit area as this will result in a poor display. The light to the sensor located at the front of the camera needs to be the same as the light at the focal target for best results. It is recommended to clean the lens from time to time if the picture degrades.

#### **Environment Tips**

Make sure the power connections are not directly exposed to water or moisture and shielded from other outdoor elements. Weatherproof only means that the camera can be exposed to weather such as rain and snow. Weatherproof cameras cannot be submerged under water. Do not expose the camera where rain and snow will hit the lens directly. Cameras geared for cold weather may work in extreme conditions as low as -25°.

# 6.4 Tools\* required for installation (\*not included in delivery)

Electric power drill, screwdriver, rubber hammer, level, pencil, eye protector ladder

# 6.5 Installation Steps

	2	
Choose the place you would like to set this fixture.	Use an electric power drill to drill the holes in the chosen	Use a rubber hammer to hit
	mounting surface according	the included plastic plugs into the holes.
Use a pencil to mark the 2	to the mark.	
screw holes on the chosen		Ensure the plastic plugs be
surface.		fixed into the wall without
A level may be required.		loose.

	5	€ CL2V CL2V
Use a screw driver to screw	Put the included screw (D)	Connect the output of the
the crossbar into the	through the center hole of	supplied DC12V power
chosen surface with the	the camera bracket and	adapter into the power socket
included screws (A).	crossbar.	on the camera.
	Tighten the screw properly	Then plug the power adapter
	to secure the camera onto	into the wall socket.
	the wall.	

# 6.6 LED and Camera Angle / Direction Adjustment



# 7. Main function introduction APP setting

# 7.1 LED working mode

7.1.1 Turn on /off LED manually

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(1) Start the Security Advanced APP on the "Device List" screen, touch the gear shaped icon to enter the selected camera setting screen.

- (2) Tap "Light Setting" to enter the light setting screen.
- (3) Select "Manual/Auto" to ON.
- (4) Tap "Done" to save and the LED will be on.
- (5) Select "Manual/Auto" to OFF.
- (6) Tap "Done" to save and the LED will be off.

#### 7.1.2 LED ON Delay time setting at manual mode

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(1) Start the Security Advanced APP on the "Device List" screen, tap the gear shaped icon to enter the camera setting screen.

- (2) Tap "Light Setting" to enter the light setting screen.
- (3) Tap "Manual Mode Dwell Time" input box.
- (4) Enter required delay time from 1 to 10 hours.
- (5) Tap "Done" to save.

#### 7.1.3 Auto mode

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(1) Start the Security Advanced APP on the "Device List" screen, tap the gear shaped icon

to enter the camera setting screen.

- (2) Tap "Light Setting" to enter the light setting screen.
- (3) Select "Manual/Auto" to AUTO.
- (4) Tap "Done" to save.

Now the camera is working at auto mode, the LED lighting won't be turned on during the daytime, but when it gets dark or at night and someone enters the surveillance area, the LED lighting will be turned on and lasting a period time which you preset. Finally the LED lighting backs to off status.

#### 7.1.4 LED ON Delay time setting at Auto mode

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(1) Start the Security Advanced APP on the "Device List" screen, tap the gear shaped icon

to enter the camera setting screen.

- (2) Tap "Light Setting" to enter the light setting screen.
- (3) Tap "Auto Mode Dwell Time" input box.
- (4) Enter required delay time from 1 to 30 minutes.
- (5) Tap "Done" to save.

# 7.2 Environmental illumination threshold setting for Day/Night mode switch



(1) Start the Security Advanced APP on the "Device List" screen, tap the gear shaped icon to enter the camera setting screen.

(2) Tap "Light Setting" to enter the light setting screen.

(3) Slide the LUX bar between icon  $\dot{\sim}$  and  $\dot{\odot}$  to set up Day/Night switch threshold. You can adjust it according to your needs.

(4) Tap "Done" to save.

# 7.3 PIR trigger sensitivity setting

••০০০ Vodafone.de 🛜 11:51 100 % 🔲	●●○○○ Vodafone.de 중 11:51 100 %	6 📖	●●●○○ Vodafone.de 🗢 11:58 100 % 🔲
😌 Security Advanced 📄	<b>K</b> Back Setting		C Back Light Setting Done
^	Onvif setting	>	Switch
Add device >	DDNS Setting	>	Manual/AUTO ON OFF AUTO
TX-23+ □ ↓ On line	AP Parameter setting	>	Manual Mode Dwell 1 h(1-10 hours Time optional)
TX-83	Alias setting	>	Auto Mode Dwell 1 min(1-30 minutes Time optional)
On line			Day/night
	Speech Language Settings	>	
	Push Certification Update	>	PIR 3 Sensi High Medium Low
	Reboot device	>	
	Light Setting	>	
Device list My messages Scene mode About			

(1) Start the Security Advanced APP on the "Device List" screen, tap the gear shaped icon to enter the camera setting screen.

(2) Tap "Light Setting" to enter the light setting screen.

(3) Tap one of the High/Medium/Low button to setup PIR sensor trigger sensitivity. This will adjust how sensitive the camera will be when detecting events. You can adjust it according to your needs.

(4) Tap "Done" to save.



# 7.4 Notification push setting for PIR trigger

(1) Start the Security Advanced APP on the "Device List" screen, tap the gear shaped icon

to enter the camera setting screen.

(2) Tap "Alarm Setting" to enter the alarm setting screen.

(3) Enable or disable PIR detection,  $\bigcirc$  means enable notification push,  $\bigcirc$  means disable notification push.

(4) Tap "Done" to save.

(5) Tap "About\System setting" to enter system setting screen.

(6) Enable all items on this screen.

(7) When enable the PIR detection and someone enter the surveillance area, your mobile will pop up a message, then you can slide it to view.

# 7.5 Notification push setting for Motion Detection trigger

●●○○ Vodafone.de ᅙ 11:51	100 % 📼	•••• Voda	afone.de 🗢 12:02	100 % 🗔	•••• Vodaf	one.de ᅙ 12:11	99 % 📼	●●●●● Vodafone.de 🗢 14:40 93	% 🗔
😌 Security Advance	d 📄	🕻 Back	Setting		<b>く</b> Back	Alarm sett	ing Done		
Add device	>	<b>Q</b> _0	Device Information	>	ж м	otion detection	3	2016-08-25 14:40:23	
TX-23+	୍ୱ	<b>?</b>	WI-FI setting	>		otion detection insitivity	5 <b>(4</b> ) >	6	
		0	User setting	>	G the second	PIO alarm arme	d 🔘		
On line	0@		Device time setting	>	📌 Tr	igger level	Low level >	TX-83	
			Alarm setting	>	<b>(</b> ) Au	udio detection	$\bigcirc$	TX-83 Motion detection alarm st	art
		Ż	FTP setting	>	<b>€</b>	ensitivity	Forbid >	E Constant	
		$\bowtie$	Email setting	>	ALARM TR	RIGGER EVENT			
	í	SD	SD card setting	>		arm preset osition linkage	Forbid >	Slide to view	
Device list My messages Scene mode	About						$\frown$		

(1) Start the Security Advanced APP on the "Device List" screen, tap the gear shaped icon to enter the camera setting screen.

(2) Tap "Alarm Setting" to enter the alarm setting screen.

(3) Enable or disable motion detection.

(4) This will adjust how sensitive the camera will be when detecting events. The default value of 5 will work in most environments, but you can adjust it according to your needs.

(5) Tap "Done" to save.

(6) When enable the motion detection and someone moved at the surveillance area, your mobile will pop up a message, then you can slide it to view.

# 7.6 Recording to a Memory Card

You can insert a MicroSD card into MicroSD card slot (Refer to chapter 4 to see how to insert card) for continuous recording. The camera supports MicroSD memory card up to 64GB.

•••••• Vodafone.de <ul> <li>11:51</li> <li>100 % ■</li> <li>Security Advanced ■</li> </ul>	●●●●●	99 % 💼 •	••••○ Vodafone.de        12:12       99 % □         ✓ Back       SD card setting       Done
Add device >	Alarm setting	>	SD CARD STATUS SD card total capacity(M) : 3781 MB
TX-23+	FTP setting	>	SD card status: SD card already inserted
TX-83	Email setting	>	VIDEO SETTING
	SD card setting 2	>	Audio recording :
	Onvif setting	>	Timer recording :
	DDNS Setting	>	
	AP Parameter setting	>	SD card formatting
Device list My messages Scene mode About	Alias setting	>	THE FIRST TIME TO USE SD CARD, MUST FORMAT

(1) Start the Security Advanced APP on the "Device List" screen, tap the gear shaped icon to enter the camera setting screen.

(2) Tap "MicroSD card Setting" to enter the MicroSD card setting screen.

(3) Here display the MicroSD card total capacity, you can check the MicroSD card inserted or not.

(4) Enable the setting you need. Record coverage: the oldest video file will be deleted when the MicroSD card is full; Audio recording: records when audio is detected; Timer recording: records if you have set a time table.

(5) Format the MicroSD card when you need. **NOTE:** Formating will delete all recordings whch are on the MicroSD card.

# 7.7 My messages

••••∘∘ Vodafone.de 중 12:13 99 % 📼 My messages	•••• Vodaf	one.de ବ 12:13 98 %∎ TX-83 Manag		fone.de
TX-23+         >           ① On line         >           TX-83         ②           ③ On line         >	3	Event:2016-08-25 12:12:56 Device:TX-83 Record:TX-83 IR alarm start Picture:	4	Video:2016-08-25 12:14:03 Device:TX-83(Local Video) Video:
		Event:2016-08-25 12:12:44 Device:TX-83 Record:TX-83 Motion detection alarm start Picture:		Video:2016-08-25 12:13:57 Device:TX-83(Local Video) Video:
Device list My mass ceres		Event:2016-08-25 12:12:22 Device:TX-83 Record:TX-83 IR alarm start Picture:		Event:2016-08-25 12:13:55 Device:TX-83 Record:TX-83 Motion detection alarm start

(1) Start the Security Advanced APP on the "Device List" screen, tap "My messages" to

enter my messages screen. (2) Tap a selected camera to enter next screen. (3) Tap

view a picture captured when motion or PIR detection event occurred up. (4) Tap 🖭 to

play back video.

# 7.8 User setting

To change the user name /password for Administrator or Operator via your Smartphone follow the steps shown in the figure: (1) Open the APP Security Advanced, click the gear shape icon on the right side to enter the camera setting interface. (2) Click "User setting" to enter the User setting interface. (3) Enter User name and Password. (4) Click "Done", the User setting is finished.



**Remark:** Remember or write down the user settings. If you forget the user data you have to reset (factory reset) the camera.

# 8. WEB Interface

#### 8.1 Wired connection to LAN

**Tip:** If you have already configured the camera, skip the procedure for configuring and continue with the installation of the CD.

Power on the IP camera, connect IP camera to router by network cable, meanwhile, connect computer to the same router, example of figure 8-1.



1	Router	3	DC12V Connection
2	AC Wall Socket	4	RJ45 Connection

(1) Connect the RJ45 Ethernet connection on the camera, to a spare port on your router using the included Ethernet cable (or a longer one if required).

(2) Connect the output of the supplied 12V power adapter into the power socket on the camera.

(3) Plug the power adapter into the wall socket. Now the camera is initializing and it will last

about 90 seconds then enter normal status.

Insert CD to computer driver, double click on the folder "Search Tools" in the CD and then double click on "IPCameraSearch". After the software has started, click "Refresh" (bottom left), select the wanted device, double click on the device IP to open browser. See figure 8-2.

Figure 8-1

Search tool				-		×
Device Basic informat	tion Other	WIFI param				
TX-83(192.168.1.197)[81]						
	IP 192	2 . 168 . 1 . 197	✓ DHCP			
Subnet	mask 255	5 . 255 . 255 . 0	7			
Gat	eway 192	2.168.1.1	7			
	DNS1 8	. 8 . 8 . 8	7			
	DNS2 192	2 . 168 . 1 . 1	]			
	MAC 16	af 00 00 0b 6	6e			
	Port 81					
	ID XLT-	004028-WGVGV				
	Name TX-2	13				
				Setting		
Modify IP						
Refresh User adm	in	Pwd			Clear A	\rp

It will pop up user login dialog, enter default user name (admin) and password will be empty when the camera is registered for the first time as figure 8-3. Important: After first login change the password! (Chapter 8.8.2 User settings)

Authentifizierung	erforderlich	$\times$
?	http://192.168.1.197:81 verlangt einen Benutzernamen und ein Passwort. Ausgabe der Website: "WIFICAM"	
Benutzername:		
Passwort:		
	OK Abbrechen	

After you logged in you will see options like in figure 8-4 below.

	Wireless Gamera
Ø	livestream mode (for Internet Explorer)
٩	videostream mode(for FireFox)
	snapshot mode (for smartphone)
	SD card video playback online
English 🔻	OCX Download

# Wireless Camera

Figure 8-4

We suggest using **Internet Explorer 11** as browser to view the video (it can provide more functions), but user needs to install video player before viewing the video. Click "OCX Download " to download OCX and install it. You can also find it on CD.

Except IE browser, you can visit the camera by **Firefox**, **Safari**, **Chrome**, **Opera** browser etc., select "videostream mode (for Firefox)" for operating.

**Notice:** If you installed the firewall software in your PC, when you run the "IPCameraSearch", it may pop up a window to say "whether you want to block this program or not", then you should choose not to block. **Do not block it.** You can hold on reset button on the camera for 10 seconds to restore factory default if you forget user name and password, during the process, don't disconnect the power, otherwise the camera maybe damaged.

# 8.2 WIFI Setup via WEB Browser

You can connect the camera with router by wireless connection, as figure 8-5 shows. To connect the camera via Smartphone go back to chapter 3.



Figure 8-5

To set the WIFI connection the camera has to be connected via network cable to the router. To connect the camera via WIFI you need to follow the steps under chapter 3.1 first. After

entering the livestream mode (Internet Explorer), click on the following icon  $\checkmark$  to enter settings. Under "Network Configuration"  $\rightarrow$  "Wireless Lan Settings" press "Scan". Then choose the SSID (name) of your WIFI router. Enable Using Wireless Lan. Select the authentication of your router and enter the password of your router. By clicking on Submit/Set up the settings are saved and the camera is going to reboot. After rebooting is successful you can unplug the network cable (wait about 3minutes). The camera is connected via WIFI.

	112	Wireless Lan Settings					
	ID	SSID	MAC				
	1	DOSS1530_B630	22:6C:06:B6:30	att			
	2	RMA DLINK	D3:A3:1D:FD:20	ail			
	3	Technaxx-Meeting	56:27:9E:CB:ED	att			
	4	nvrap	95:69:96:8B:CB	aut			
Wireless Network List	5	WLAN-RMA-TEST	0E:14:C9:11:CA	att			
	6	Colo-WLAN	5B:0E:07:52:48	att			
	7	Speedlink-536	EF:68:27:C1:5E	att			
	8	03-2012g	B0:5D:9F:C4:20	atti			
	9	technaxx-router	49:79:48:33:5B	all			
Using Wireless Lan	Scar	n					
SSID							
Network Type	Infra	Infra V					
Authetication	WPA	2-PSK Personal (TKIP) 🗸					
Share Key							

Figure 8-6

**Notice:** When the device is connected both WIFI and wired, it will firstly connect to the wired network. If the camera enables DHCP to obtain IP address automatically, so the IP address is not same in wired connection and WIFI connection.

# 8.3 View video

After installing the plug-in, click "livestream mode (for Internet Explorer)," as Figure 8-4 to view the video. Your display should look similar to figure 8-7.





#### Audio, Talk, Record, Snapshot

You can click these buttons to perform audio, talk, record and snapshot functions.

**Note:** About recording path, click button to enter setting interface. Under Device basic information you can set "Local Recording Path" for saving manual taken snapshots and recordings, as seen in figure 8-8.

Local record path					
Local record path	C:\ select				
Record file length(MB)	100 Least 100MB , MAX 1000MB				
Record time length(Minute)	5 Least 5 Minutes , MAX 120 Minutes				
Reserved disk space(MB)	200 Least 200MB				
Record cover					
Set up Refresh					

Figure 8-8

#### **Multipicture change button**

If you add multiple devices in chapter 8.8.1 "multi-device settings", it will connect other device to display pictures automatically when changing to 4, 9 split screen

. In playing video area, you can select a picture to control audio, talk, record, snapshot, PT control and etc.

#### Viewing control area

You can control PT moving, picture reversal, mirroring and etc. when viewing video. See figure 8-9. Adjusting picture parameters includes resolution, brightness, contrast, chroma and etc. The camera supports 16 preset points. You can set a as preset point by moving the camera via PT to the wanted place. You also can call a set preset point by selecting it. The camera moves to the selected preset point.





$\longleftrightarrow$	Horizontal patrol		
1	Vertical patrol		
	Reversal		
	Mirror		
	Contrast		
	Brightness		
	Chroma		
	Saturation		
IR	IR LED switched ON /Auto	IR	IR LED Switched OFF
Ø	Switched OFF	8	Switched ON
0	Resolution: CBR		Resolution: VBR
CCC	PT speed setting: Slow, Medium	, Fast	

**Note:** IB button can control work mode of IR LED. IR LED may have auto, forced close two mode, the IR LED will power on or off according to environment light in auto mode; the IR LED always power off in forced close mode. Some of the buttons above have no function with this camera model.

#### Setting device parameters

Click button to enter setting interface, you can set all parameters of the camera described in chapter 8.3 to 8.8. Only administrator can login to set these parameters.

# 8.4 Device basic information

#### 8.4.1 Device information

The user can obtain "Device firmware version"," Web UI version", "Alias", "MAC" and etc. You also can change the language here. The UPnP setting of the camera is always activated.

#### 8.4.2 Alias setting

The user can name the camera, example for home, office etc.

#### 8.4.3 Device date and time settings

You can enable "Sync with NTP Server" when the device is connected via WLAN or LAN, but you need to select the correct time zone where the camera is located, otherwise select "Sync with PC time" (we suggest this option).

Device date&Time Settings									
Device Clock Time	Mon, 27 Jun 2016 10:28:58 GMT								
Device Clock Timezone	(GMT +02:00) Athens, Jerusalem, Cairo, Helsinki								
Sync with NTP Server									
Ntp Server	time.windows.com ~								
	Sync with PC Time								
	Set up Refresh								

Figure 8-10

Remark: Please carefully check the camera time, so it can be sure the alarm accuracy.

#### 8.4.4 Local recording path

The camera will be automatically create a file folder named "Record files" when the user set "local recording path" function. Here only manual taken snapshots and recording files will be saved. To select the path click on "select..." and choose by clicking with the mouse the right directory. See figure 8-11.

Local record path								
Local record path	select							
Record file length(MB)	Least 100MB , MAX 1000MB							
Record time length(Minute)	Least 5 Minutes , MAX 120 Minutes							
Reserved disk space(MB)	Least 200MB							
Record cover								

Set up	Refresh
--------	---------

Figure 8-11

#### 8.4.5 MicroSD Card Record Schedule

Here you can see the total capacity of the MicroSD card in MB. Also you can format the MicroSD card. Record coverage can be checked to automatically overwrite the oldest file (loop recording). After checking the Timer recording box you can set the time schedule. By clicking on the schedule the activated part turns blue. Every hour is separated into 4 part of 15 minutes.

	Record Schdule																							
sd total capacity(M)							3781 M																	
sd state	sd state							SD card has been inserted Format																
Record coverage																								
record audio																								
Timer red	cordi	ng																						
select all																								
Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Sun																								
Mon																								
Tue																								
Wed																								
Thu																								
Fri																								
Sat																								
	Set up Refresh																							

Figure 8-12

#### 8.4.6 Voice setting

Under voice setting you can select the language (German or English) in which the camera is telling you its status. You also can disable this function by muting.

# 8.5 Alarm Settings

#### 8.5.1 Alarm service setting

If user need to monitor a fixed area, when there is any motion, it will detect the motion and trigger the alarm. In the motion detect sensibility, the smaller the value, the more sensitivity.

After enable the alarm, you can adopt several alarm mode in armed time.

- Link to the Preset when alarming: Need to set preset point of the camera.
- Send alarm info by email (email includes a picture); every alarm trigger one email.
- Upload the picture to the FTP server, user can also set the amount of the pictures.

Device only triggers alarm when it detects any motion in armed time. User can set schedule time to be "all the time", also assign the armed time. Before you set "Time Schedule", please go to Date and Time settings to set the correct time



Figure 8-13

After enabling Motion Detect Armed you can see the following options.

Motion Detect	Set the sensibility fro 1 to 10 (The smaller the value, the
Sensibility	more sensitivity.)
Alarm Audio	Choose to get alarmed if noise is detected (low, medium,
Sensibility	high or forbid).
Infrared alarm	Check the box to activate the PIR sensor
Alarm Input Armed	Check the box for external alarm
(not supported)	
Trigger Level	Set up an external alarm input low or high
(not supported)	
Alarm Preset Linkage	Choose a preset here. When motion is detected the
(not supported)	camera will go to the selected preset position.
I/O Linkage on Alarm	Check the box for exporting control alarm signal
(not supported)	

Output Level	Set up the output level to low or high
(not supported)	
Send Alarm	Check the box to get informed by E-mail when motion is
Notification by Mail	detected. The E-mail is with a picture attached. Note: You
	have to set the E-mail settings first.
Upload Image of Alarm	Check the box. When motion is detected and the FTP
(only for FTP server)	server is set the picture will be uploaded to the set FTP
	server.
Upload picture number	Set the amount (1-10) of pictures that should be saved on
(only for FTP server)	the FTP server.
Alarm recording	Check the box. The camera will record video with audio.
Scheduler	Check the box to activate the Schedule.
Select all	Check the box to select the complete schedule.

#### 8.5.2 Mail Service Setting

When alarming is detected, it can send email to your appointed email box, but you need to set email service parameters correctly. Example of figure 8-14, click "Set up" to save these parameters, and then you can click "Test" to check if the setting is successful. To enter the information about SMTP server search your email provider on the internet and choose the right settings to fill in figure 8-14. Our WEB Plug-IN will support you.

Mail Service Settings									
Sender									
SMTP Server	Please select V								
SMTP Port									
Need Authentication									
SSL	NONE V								
SMTP User									
SMTP Password									
Receiver 1									
Receiver 2									
Receiver 3									
Receiver 4									
	Test Please set at first, and then test.								

Figure 8-14

Set up

Refresh

#### 8.5.3 FTP Service Setting

When alarming, the device will snap local picture and send them to FTP server, but need to set the FTP setting correctly. As figure 8-15, after the setting is finished, click "Test" to check your settings are correct or not.

Ftp Service Settings							
FTP Server							
FTP Port	21						
FTP User							
FTP Password							
Upload picture period	0 0 show no pictures upload(30~3600)						
Test Please set at first, and then test.							



Figure 8-15

**Note:** For using the FTP function, you need to apply a user with authority that you can write and create submenu and some memory space. For FTP server just insert the IP address.

#### 8.5.4 Log

You can inquire when the device performs alarm in alarm log.

					Log	
2016-06-27	14:11:40	alarm is	happen	for	or motion	
2016-06-27	14:11:30	alarm is	clear			$\sim$
2016-06-27	14:10:59	alarm is	happen	for	or motion	
2016-06-27	14:10:58	alarm is	clear			
2016-06-27	14:10:28	alarm is	happen	for	or motion	
2016-06-27	14:10:27	alarm is	clear			
2016-06-27	14:09:56	alarm is	happen	for	or motion	
2016-06-27	14:09:54	alarm is	clear			
2016-06-27	14:09:23	alarm is	happen	for	or motion	
2016-06-27	14:09:19	alarm is	clear			
2016-06-27	14:05:38	videostre	eam is 1	run	1	
2016-06-27	14:05:19	alarm is	happen	for	or motion	
2016-06-27	14:05:17	alarm is	clear			
2016-06-27	14:04:46	alarm is	happen	for	or motion	
2016-06-27	14:04:44	alarm is	clear			
2016-06-27	14:04:13	alarm is	happen	for	or motion	
2016-06-27	14:04:13	alarm is	clear			$\sim$
2016-06-27	14.03.42	<u>alarm is</u>	hannen	for	nr motion	

clear Refresh

Figure 8-16

# 8.6 Network configuration

#### 8.6.1 Basic network settings

The user can also enter the Basic Network Settings to set the IP address except using the search software "IPCameraSearch". Default setting here is DHCP. See figure 8-17 below.

Basic Network Settings						
192.168.1.145						
255.255.255.0						
192.168.1.1						
8.8.8.8						
192.168.1.1						
80						

Set up Refresh

#### Figure 8-17

**Remark:** The router connected to camera need to enable DHCP when the user uses "obtain IP from DHCP server"; the routers enable DHCP by default.

#### 8.6.2 Wireless Lan settings

*Please refer to chapter 8.2.* First scan your environment. Then choose your Wireless network. Check the box, select network type, select the authentication of your router and insert the password of the router. Press Set up to save the settings.

Wireless Lan Settings						
	Scan					
Using Wireless Lan						
SSID	RMA DLINK					
Network Type	Infra 🗸					
Authetication	WPA2-PSK Personal (TKIP) ~					
Share Key	1234abc!					



Figure 8-18

#### 8.6.3 DDNS Service setting

User can also use DDNS, such as www.dyndns.com, User must apply a free domain name from this website and fill the info into the below blanks (Figure 8-19) and save the settings. Then the domain name can be used.

DDNS Service Settings		
DDNS Service	DynDns.org(noip) ~	
DDNS User		
DDNS Password		
DDNS Host		
DDNS Status	No Action	
proxy config is needed if the device is in China Mainland or HongKong		



Figure 8-19

**Notice:** Using the domain name, if the http port is not 80, the port number should be adding to the domain name with colon. Example: http://btest.dyndns.biz:81.

Also you have to register a new account for the DDNS service by yourself.

# 8.7 PT configuration (Not supported)

Signal lamp	Set open /close to turn the Indicator light ON /OFF
against pre-bit	Check the box to disable the preset function.
Call Preset on boot	Select the preset position that the camera should move to after the
	reboot/ power failure of the camera.
PT Speed	Set the speed for the camera movement low, high or fast.
PT Cruise Views	Select the amount of cruises from the dropdown menu. The
	camera will cruise for the selected amount of cruises. When you
	set cruise views to always camera turns all the time but will
	automatically stop after cruising one hour.

PTZ Settings	
Singal lamp	open 🗸
against pre-bit	
Call Preset on boot	Disable ~
PTZ Speed	Med ~
Cruise Views	Always ~

Set up Refresh

Figure 8-20
# 8.8 User and device setting

### 8.8.1 Multi-device Setting

Like Figure 8-21 user can add maximum 9 devices to view video simultaneously. Click "refresh" button to check the device in the LAN. First choose a device on the left, like "The 2<sup>nd</sup> Device" and click on it. The setting dialogues will popup. Now enter the device info manual (or by clicking on the device you want to be added) fill in user and password. Click "Add" to add device. After that, you must click "Set up" button to save device.

Multi-Device Settings				
Device List in Lan	Refresh			
The 1st Device	This Device			
The 2nd Device	None			
The 3rd Device	None			
The 4th Device	None			
The 5fi Device	None			
The 6si Device	None			
The 7se Device	None			
The 8ei Device	None			
The 9ni Device	None			
attention: If you want to access the device from internet, be sure the host and port that you set can be accessed from internet.				

Set up Refresh

Figure 8-21

#### 8.8.2 User Settings

Visitor	It is only allowed to view the live stream.
Operator	You can additionally set PT, bidirectional talk, change resolution, set
	contrast, brightness and etc.
Administrator	You can set up every setting as administrator.

Users Settings				
	User	Password		
Visitor				
Operator				
Administrator	admin			

Set up		Refresh
--------	--	---------

Figure 8-22

#### 8.8.3 Maintain

Upgrade Device Firmware						
Restore Factory Settings	Restore Factory Settings					
Reboot Device	Reboot Device					
Upgrade Device Firmware	Durchsuchen Keine Datei ausgewählt.	Upgrade				
Upgrade Device Embeded Web UI	Durchsuchen Keine Datei ausgewählt.	Upgrade				

#### Figure 8-23

Click "Restore factory settings", it will pop up a dialog to ask you if restore to factory settings, the camera will restore factory settings and reboot after you confirmed. If there is any issue with the camera you also can reboot the camera by clicking on "Reboot Device". There are two types of software in the camera, one is the device firmware, another is Web UI and you can upgrade them respectively.

# 9. Security Advanced PC Client

PC software can realize the function of monitoring, setting, viewing the remote records and other functions on the PC. **Power on the IP camera**, connect IP camera to router by network cable, meanwhile, connect computer to the same router. Startup the computer, open the CD disk on the computer, and choose Security Advanced PC Client from the CD, install the software and run it. After starting the Software the following window will appear, figure 9-1.

$T \sim$	lo ain	optort	ha	unarnama	000	tha	nooword	1/011	aat tha	aamara
10	IOUIN	enteri	ne	username	anu	line	Dassword	vou	seline	camera
								J		

CTECHNA CONTRACTOR	
admin 🗹 R	Rem <mark>e</mark> mber user name
<b>€</b>	Remember passwords
Login	

Figure 9-1

# Add camera

To add a camera click on "Manage" like seen in figure 9-2.

Security Advanced PC Client	_ 8 X
	DeviceList 🛛 🔾 🕇 🕇 🗕
	screen manage message model

Figure 9-2

In the new window that has opened, click "search" on the bottom, figure 9-3.

				X
Device Name	IP	Port	Device ID	Device
	6	search		
	Device Name	Device Name IP		

Figure 9-3

The LAN will be scanned for devices. When a device is found it will be listed, figure 9-4.



Double click on the device name you want to add. See figure 9-5. Enter password and click "OK", then finish the camera adding. When it is the first time adding the camera and the password wasn't modified, no need to enter the password, because the factory default value of the password is empty.

Add device				X
Device Name	TX-83			
IP	192.168.1.238	Port	81	
User name	admin	Password		>
Video type	VGA ~	- -	$\sim$	
P2P		_		
Device ID	004028-WG'			
	ОК	(	Cancel	F

In the main interface of computer software, click the camera in the list and drag it to a channel on the left.



Click next to the camera name (Figure 9-7), and enter the camera setting list you see

#### in figure 9-8.

<b>I</b>	Security Advanced PC Client				- 8 X	
				DeviceList 🔥	<b>)</b> +   -	
				TX-8 onlin	3 🙆	
				screen manage	message model	
				lock info	User System	Eiguro 0 7
\$	Parameter setting				X	Figure 9-7
0	Device information					
<u>9</u>	Date and time	name	TX-83			
0	Network param	firmware version	T50.9.1.16.24C			
-	SD card setting	serial number	004028-WGV			
$\bigcirc$	User setting	alarm status	none			
	Email setting	UPNP status	UPNP successed			
	FTP setting	DDNS status	no action			
	DDNS setting	WIFI MAC	16:AF;00:00:08:6E 28:F3:66:13:97:34			
0		SD status	SD Card already inserted			
0	PTZ setting	SD capacity	3781			
	Alarm setting					
হ	Wifi setting					
			not	_		
			set			Figure 9-8

**Note:** For your own safety please customize the password before you make any further settings. Go to User setting (figure 9-8) and set a customized user and password. For different user class refer to chapter 8.8.2

# **10. Troubleshooting**

#### Q1: I have forgotten the username and password of the camera.

A1: The default username is admin and the password is none. If you have changed the username and password to something different, you will need to reset the camera back to its default factory settings. To reset the camera, unplug the power adapter from the power socket then press and <u>hold</u> the Reset button while you reconnect the power adapter to the power socket. Release the Reset button after a few seconds (more than 15 seconds).

#### **Q2:** I have installed the mobile App but I can't display my camera.

**A2:** Assuming your camera is plugged into power, your camera could be experiencing network connectivity issues. Do the following:

• Ensure your mobile device is connected to the same WIFI network as your camera. • Check the strength of your WIFI network. Certain wireless products - specifically those that operate in the 2.4GHz range such as Bluetooth systems, baby monitors or cordless telephones, may cause interference with the camera. If possible, place the camera at least 5 meters away from these types of devices to improve reception between the router and the camera. • If you are viewing your camera away from home, there could be an issue with your mobile device's internet data connection. Check if there is 3G or 4G network connection on your mobile device. (If you're on the EDGE mobile network, it'll be too slow to stream video from the camera). • If the problem persists, restart your camera by disconnecting and reconnecting the camera's power adapter and then open mobile App again to check if this fixes the problem. • If your camera installed far from router and the distance beyond WIFI transmission range, it is strongly recommend add one RJ45 network cable (100meters Max.) to connect camera and router.

#### Q3: Images are slow to update or have a poor frame rate.

A3: The quality of the image and frame rate can be affected several factors:

• Network bandwidth: Your network may be slow to handle the amount of data passing through it. Other devices or programs might be consuming the bandwidth that is available. Try removing the other devices to see if the performance improves. Lowering the resolution and bitrate may also improve things. • Computer performance: Your computer may not be powerful enough to handle the live video streams coming in. If you have multiple cameras connected, try viewing them one at a time to see if the performance improves. You can also try viewing the live stream at a lower resolution and bitrate. • Mobile performance: Live stream viewing is dependent on the hardware specifications of your mobile device. Not all mobile devices are made equally. Just like a computer, the speed of the hardware and the memory available will affect performance. Also, the overall speed of your mobile service provider can also play a part. If you are having issues with playback, try viewing the live stream at a lower resolution and bitrate.

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