82-20725
Quick Start Guide

DEFENDER™ SECURITY

720P HD Do-It-Yourself Wi-Fi IP Board with DVR Recorder

38mm

38mm

TF Card Slot

PIR Sensor

1.0 Megapixel Camera

DC 12V

MIC

WiFi Antenna

Parameter

Image Sensor	1.0 HD Megapixel
Video compression	H.264 high profile, JPEG snapshot
Resolution	HD 1280*720P
Frame rate	30fps NTSC, 25fps Pal
Lens	0.6m
Video adjustment	Brightness, contrast, & saturation
Video bit rate	32Kbps ~ 2.5Mbs
IR cut filter	Yes
Night vision	No
Min.Illumination	15 Lux
Microphone	Built-in (for audio monitoring and 2-way audio communication). Effective up to 5m (16ft)
2-way audio	Yes
Recording mode	Motion detection, manual, and schedule
Playback	Playback via SD reader; real time remote playback
Motion detection	VMD (video motion detection)
PIR motion sensor	Support
Alarm reactions	Alarm photo email; record photo to FTP; record video/photo to SD
Wireless network	Wi-Fi 802.11 b/g/n
IP mode	Dynamic IP address; static IP address
Mobile surveillance	iPhone, Android
System requirement	Microsoft Win98 SE, ME, 2000, XP, Vista, or Windows 7
Power	DC12V 1 A

Main Features:

- Small Board size ,you can do what you want to do.
- WIFI function,,TF card DVR,HD720P camera all in one smart device;
- Build–in WIFI module,to view by phone (will update the software to be suitable in PC /tablet soon);
- 720Pvideo record （1280*720P）motion detect camera , PIR sensor detect about 8 meters;
- Support PAL/NTSC,max 32Gb TF card

Please see below for the detailed manual for your HD Do-It-Yourself Wi-Fi IP Board with DVR Recorder. Instructions are for the iPhone, but Android operation is the same as the iPhone.

Visit www.hd265.com to download client software for both Windows and MAC!

Insert Micro SD Card
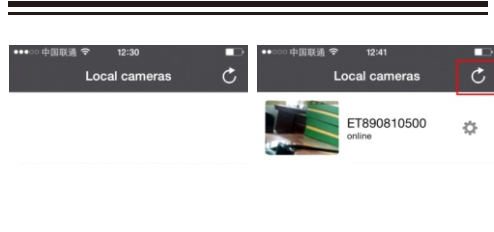Insert any brand new 2-32GB Micro SD card to the device.

Install App
In the Apple Store or Google Play search and install the "BSTCAM" application.

Smartlink(Wi–Fi setup)
Notice: Please finish it in 5 minute when it was power

1. Open the "Wi-Fi" menu from your iPhone settings. Then tap your own Wi-Fi Router Network, Then the Wi-Fi signal will be selected from your iPhone's Wi-Fi network, See PIC#1, Next open the "BSTCAM" applications(PIC#2)
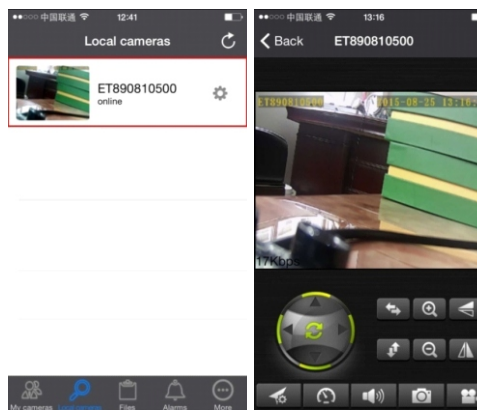

▲ PIC#1   ▲ PIC#2

2. Click " More" button (PIC#3), then tap " Quick configured WIFI" (PIC#4)

3. Type the correct password of your Wi-Fi router network, click "OK" (PIC#5) to enter to sonic wave Wi-Fi setup (PIC#6). At this moment, please put your phone close to the microphone of your device to let it setup Wi-Fi, once the device Wi-Fi network was connected to your Wi-Fi router network, the speaker will play a short sound of music. The device will be restarted automatically.
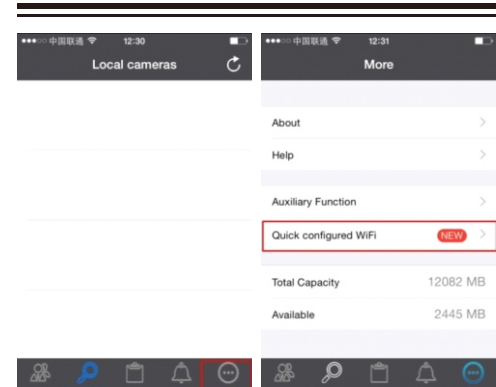
4. Back to "Local Cameras" window (PIC#7), you can click the "refresh icon" (PIC#8) to bring up all available cameras.

5. Tap the camera ID (PIC#9) to start monitoring (PIC#10)

▲ PIC#3   ▲ PIC#4

▲ PIC#5   ▲ PIC#6

▲ PIC#7   ▲ PIC#8

If the above Smartlink was not worked properly, please refer below Wi–Fi setup via AP.

1. Open the "Wi-Fi" menu from your iPhone settings. Then tap "ET890810500" (PIC#11), Then the "ET890810500" Wi-Fi signal will be selected from your iPhone's Wi-Fi network (PIC#12)

2. Open the "BSTCAM" applications (PIC#13), and one camera ID (PIC#14) will be listed. Tap the camera ID (PIC#14) to start monitoring (PIC#15).

Notice: ET890910500 is just an example for demonstrating only. You can find your own camera ID from Wi-Fi settings of your Smartphone

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3. Tap the setting icon (PIC#16) to enter into camera settings menu (PIC#17), then choose "Wireless settings" (PIC#17) for Wi-Fi setup.

4. Enable "WiFi", Choose your "SSID" by clicking the icon on the right side. Type the correct "Password" (PIC#18). Click "Done" (PIC#19) to save the WiFi settings, a window will pop up with "Configure Success" (PIC#19). The device will be rebooted to finish the Wi-Fi set up. This will be complete within 2 mintues. During the reboot period, the camera ID will disappear from "Local Cameras" window (PIC#20), you can click the "refresh icon" (PIC#21) to bring up all available cameras.
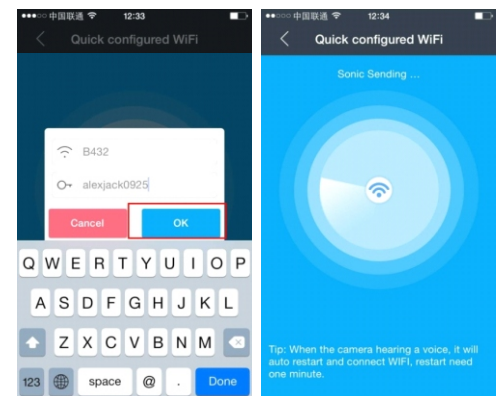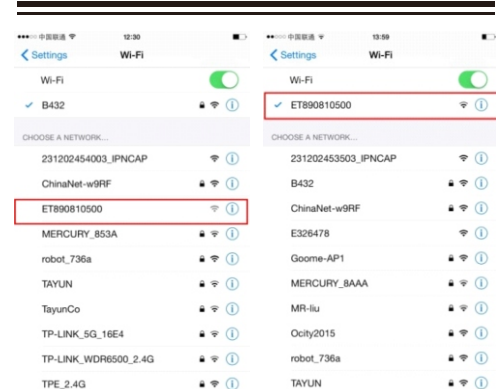
▲ PIC#9   ▲ PIC#10

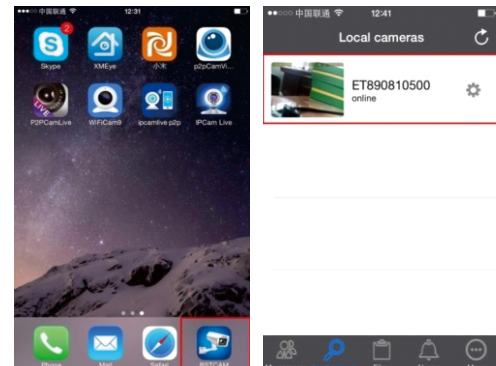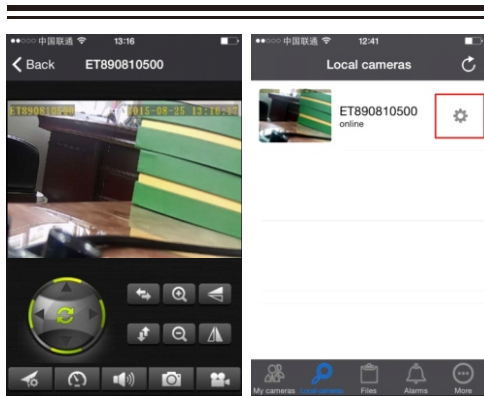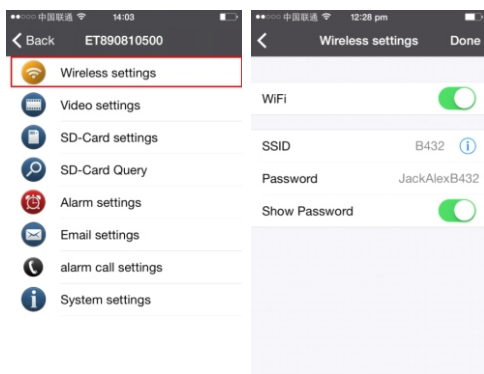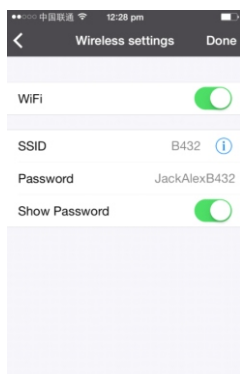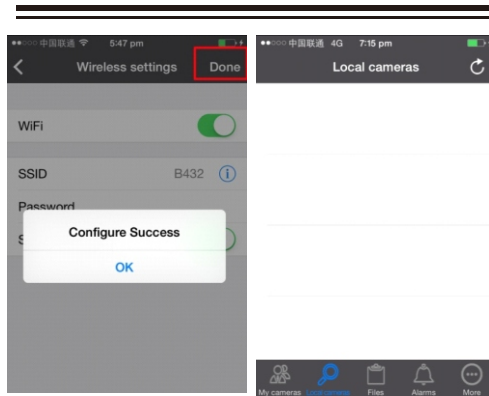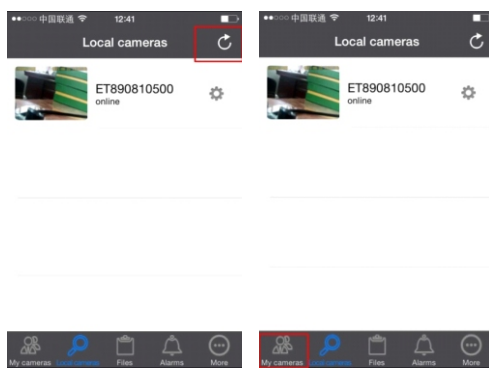▲ PIC#11   ▲ PIC#12
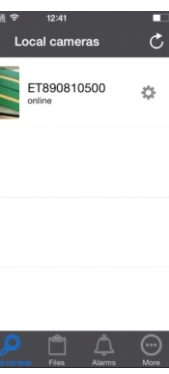
▲ PIC13   ▲ PIC#14

▲ PIC#15   ▲ PIC#16

▲ PIC17   ▲ PIC#18

▲ PIC#19   ▲ PIC#20

▲ PIC21   ▲ PIC#22

Remotely Access the Device from Phone

Click "My cameras" (PIC#22), and type the camera ID and password (PIC#23) to login the account. Then tape the Camera ID to start video surveillance remotely!

Notice: each camera came with unique ID like ET8908XXXXX, password: 9999(default)

You can also create an account for adding the camera to access live video remotely by clicking "Create Account" (PIC#23) If you registered an account, and forget the password, you can click "Recover Password" (PIC#23) to retrieve your password

How to change the default password?

Please login the account with Camera ID and Password, then tap the "Option"(PIC#24),choose "Change login Password"(PIC#25), then type the new password, click "Done"(PIC#26) to save the new password

Remember or disable the remember status of Camera ID/Password and History of Login

Tap "Key" icon (PIC#2) to remember or disable the remember status of Camera ID/Password.

Gray out means disable the remember status of Camera ID/Password

Highlight means remember the status of Camera ID/Password

Notice: Remember the status of Camera ID/Password (Default)

Tape "Clock" icon (PIC#28) to find the entire Camera ID login in the past, and you can delete the login history
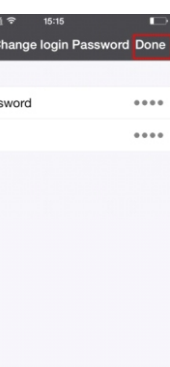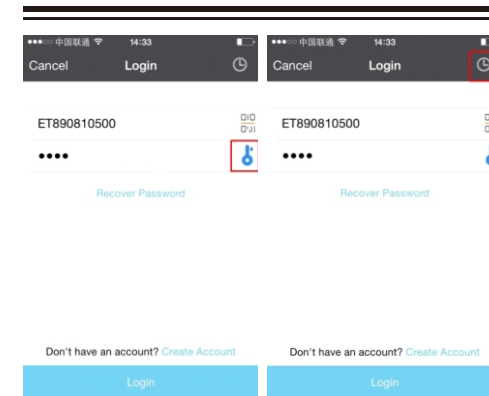

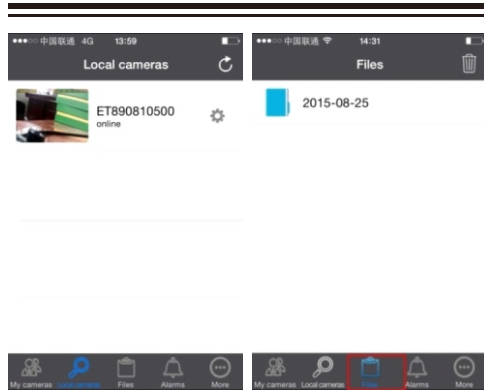▲ PIC#23   ▲ PIC#24

▲ PIC25   ▲ PIC#26

▲ PIC#27   ▲ PIC#28

Save video clips directly to your iPhone
Tap "Camera ID" (PIC#29), then press record icon (PIC#30) to start video recording
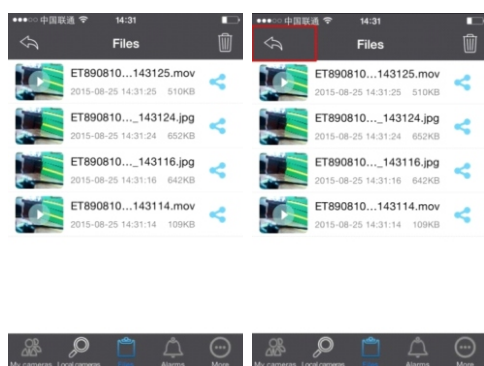
Save photos directly to your iPhone
Tap "Camera ID" (PIC#29), then press the photo icon (PIC#31) to take a picture

Two Way Audio Enable
Please tap "Speaker" icon (PIC#32) to enable two way audio, and tap "headset" icon or "Microphone" icon (PIC#32) to start two way audio or just audio.

Playback videos and photos from phone
Open local cameras window (PIC#33), select "Files" (PIC#34), then choose the right date "files" (PIC#35). Select the right video or photo to start playback (PIC#35). To go back to other date files, just click back icon (PIC#36)
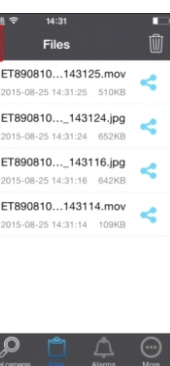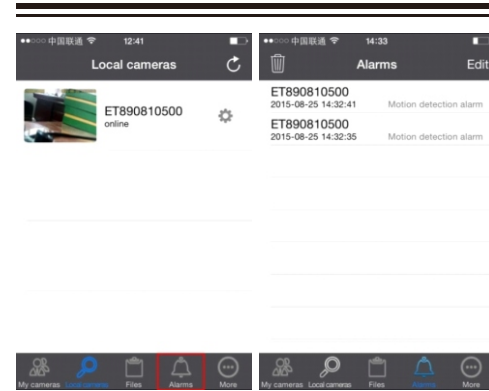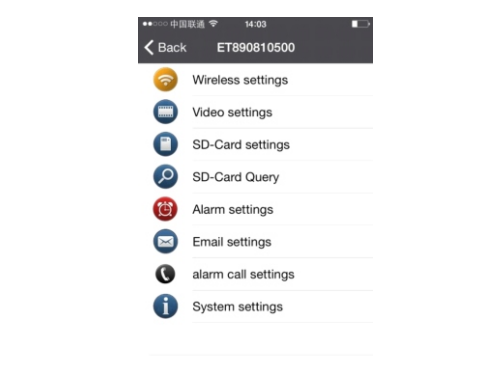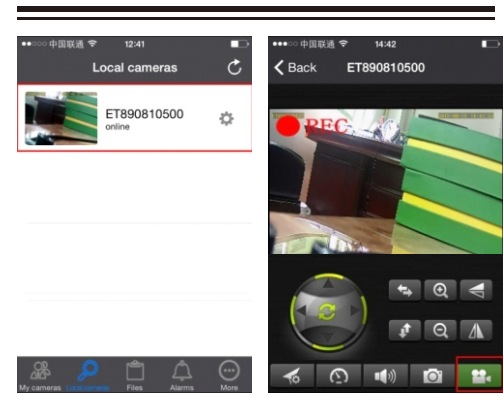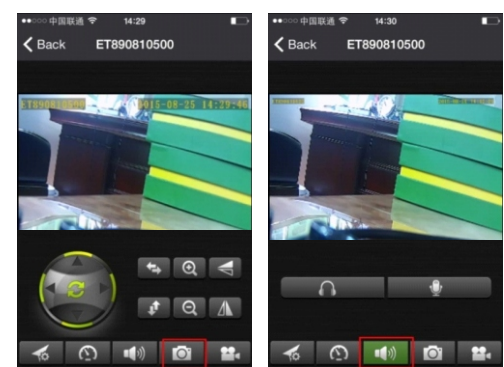

▲ PIC#29   ▲ PIC#30

▲ PIC31   ▲ PIC#32

▲ PIC#33   ▲ PIC34

▲ PIC35   ▲ PIC#36

▲ PIC#37   ▲ PIC#38

▲ PIC39

Motion detection alarm notification

Tap "Alarms" menu (PIC#37) to go to all the motion detect events alarm notifications (PIC#38) when there is any motion trigger from device. You can also delete all the notifications here.

Camera setting instructions (PIC#39)

Wireless settings: in this section, you can setup the Wi-Fi of router or turn off the Wi-Fi of router (only worked in local LAN)

Video settings: in this section, you can turn on the main stream or extra stream

SD-Card settings: in this section, you can set manual video recording, disable/enable audio recording, and change the video recording duration of each files, check SD card capacity, and also format SD card

SD-Card Query: in this section, you can playback/delete all the video clips from micro SD card remotely

Alarm settings: in this section, you can disable/enable motion detection, alarm sensitivity and record the motion video to micro SD card etc.

Email settings: in this section, you can setup snapshot alarm by email notification.

Alarm call settings: It is not applied for this device.

System settings: in this section, you can reboot