



YFi
iPhone/iPod control for Y-series

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Products Information

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1. Terms and Conditions

For more detailed information, see the “**Terms and Conditions**” as stated in the camera manual and the IDT web site.

2. System Overview

2.1. Overview

A Wi-Fi add-on is now available to provide a wireless keypad to control the Y cameras. The software interface resides on the Apple devices and configures basic camera parameters such as frame rate and exposure and advanced parameters such as record duration and pre-trigger settings.

This interface provides control of the camera independent of a computer, insuring maximum portability. However when the camera is connected to a computer control can be toggle between the Wi-Fi module and the computer, while keeping all the camera operational parameters in perfect synchronization.

The YFi app is compatible with iPhone, iPod touch and iPad and it requires iOS version 4.2 or later.



Required hardware:

- One MotionPro Y-series high speed digital camera.
- One YFi module.
- One YFi LEMO cable.
- One HDMI monitor and cable.
- One iPhone™, iPod Touch™ or iPad™.

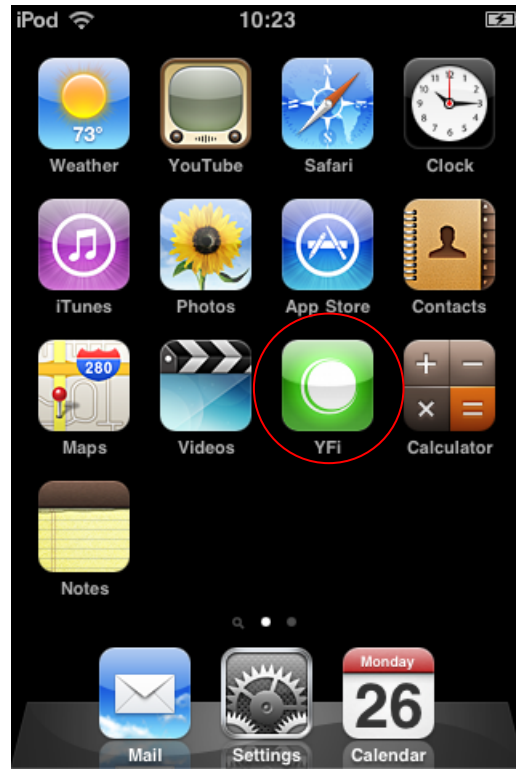
2.2. Installing the YFi application

The software interface is free for download at the iTunes store

<http://itunes.apple.com/us/app/yfi/id325691885?mt=8>

It may be downloaded via iTunes or directly from your iPhone or iPod. To do that, open the “App Store” and search for “YFi”.

Follow the on-screen instructions and install the app.



2.3. Application setup

Upon the installation of the YFi app, follow the instructions below to start the communication between the iPhone and the camera via the YFi module:

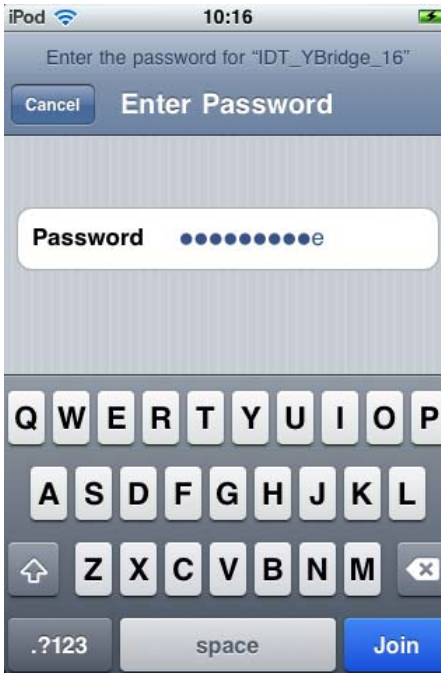
- Connect the YFi module to the camera (see below).



- Power up the camera and wait until the back “Status” light is green.
- Make sure that the Wi-Fi is activated on your iPhone and locate the YFi network. The name should be **IDT_YBridge_N**, where N is a number (see below)



- When asked, enter the password “**12345abcde**” (case-sensitive).

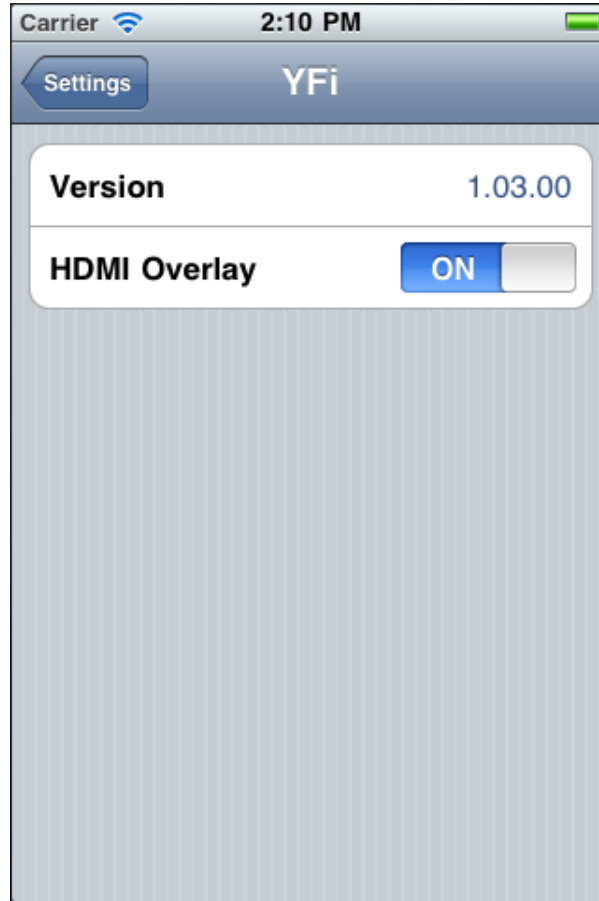


- Wait for the DHCP server to assign the IP address to the connection. The first time you join a device to this network it will take a bit longer for the YFi module to accept the connection.



2.4. Application settings

Before starting the app, open the iPhone/iPod settings and select the YFi item.



Version: the current YFi app version is displayed.

HDMI Overlay: if the YFi device has firmware version 5.70 or later and the camera firmware supports it, the HDMI overlay may be enabled on the output monitor. If the overlay is enabled, the acquisition parameters are displayed with the image on the HDMI monitor.

3. Application Interface

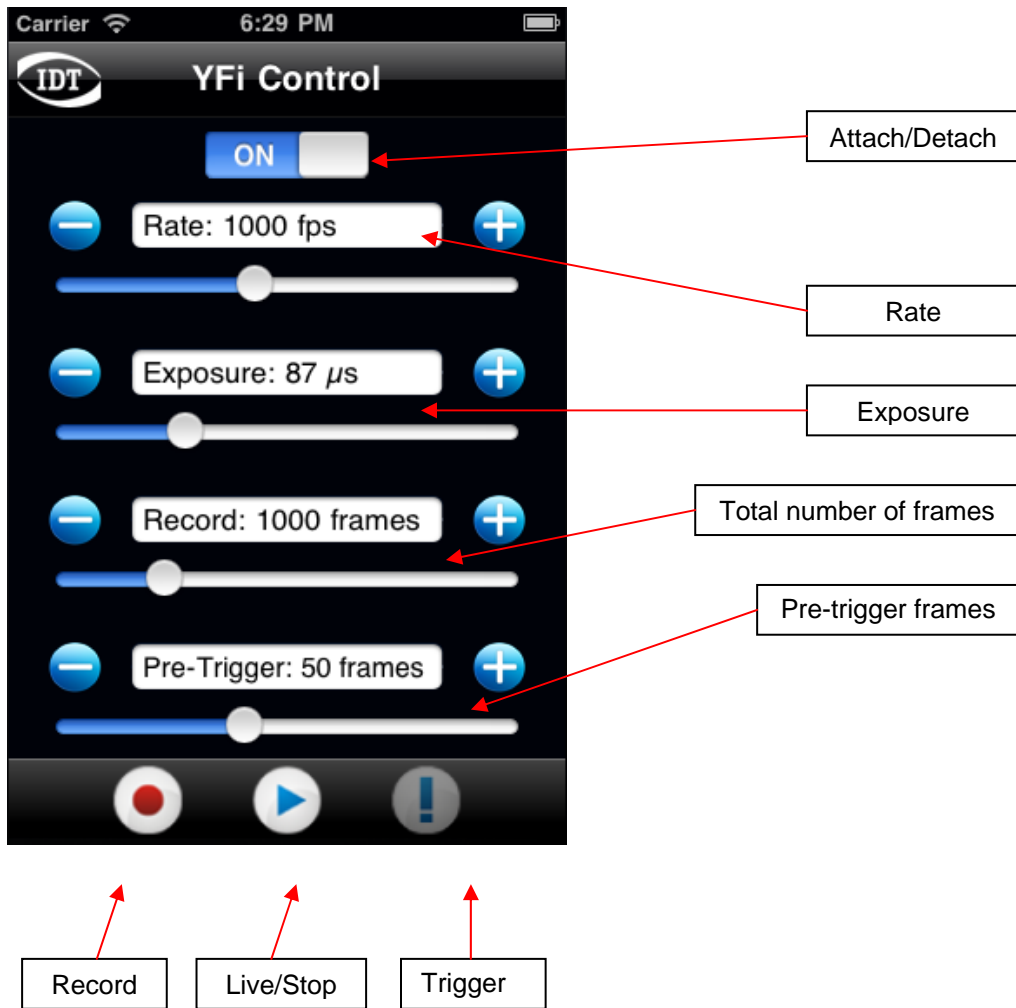
3.1. Start the application

- To start the YFi app click on the YFi green icon on the iPhone.
- To close the YFi app, press the “Home” button on your iPhone.

3.2. Camera controls

The first page of the app includes the controls for:

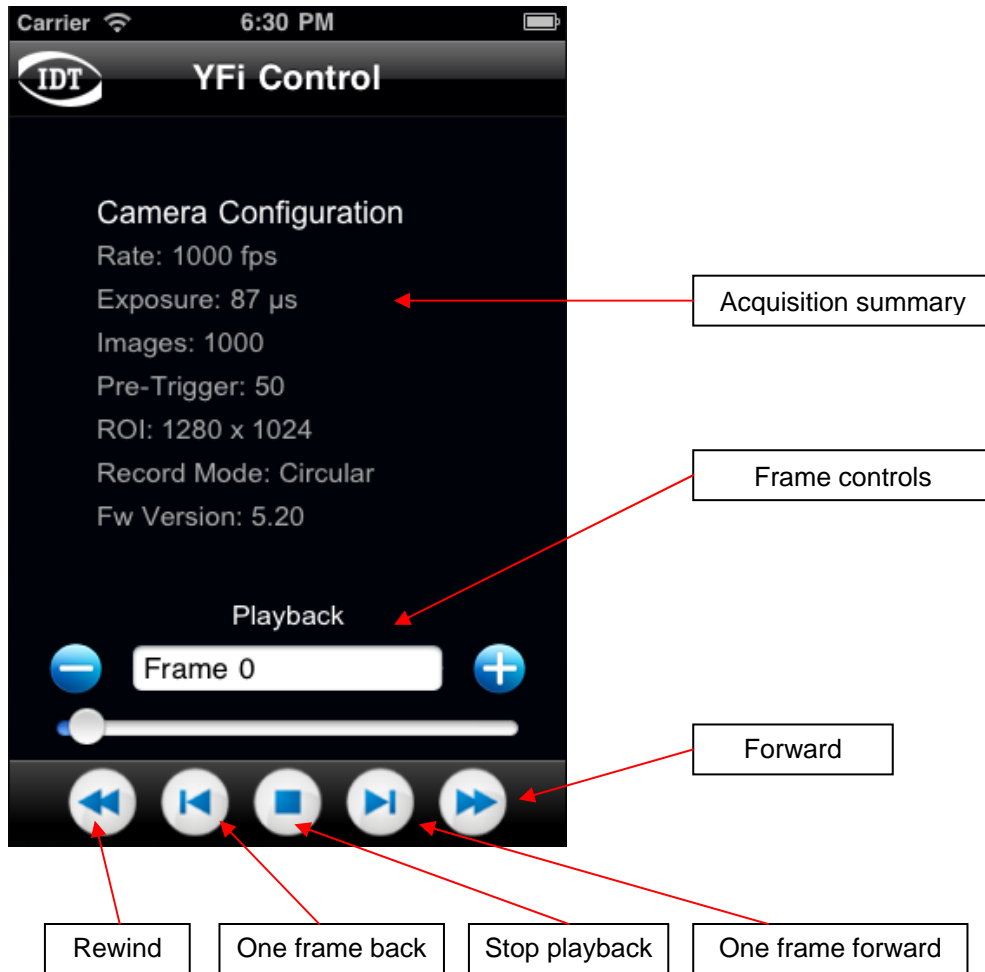
- Attach and detach the camera.
- Set the rate, the exposure, the number of frames and the number of pre-trigger frames. Each parameter has a slider and a Plus (increase) and a minus (decrease) button.
- Control the camera: start and stop the live mode, start an acquisition and issue a software trigger to the camera.



3.3. Playback controls

The second page of the app includes the controls for:

- Display the acquisition parameters (region of interest is included)
- Playback the images on the HDMI monitor. Each frame may be directly addressed with the edit box, the slider or the plus and minus buttons. The sequence may be continuously played back in both directions or frame by frame.



4. Appendix

4.1. Compatibility issues with iPhone 4

Starting from the version 4 of the iPhone, Apple has introduced a multi application layer. As a consequence of this improvement, the Home button does not completely close the application when pressed.

The YFi app is designed for iPhone 3 and it assumes to be closed when the Home button is pressed. For this reason, the app should be removed from the memory before starting a new instance, otherwise it will crash.

To do that, double click the Home button. A sub view of the running applications will be displayed (see below).



Then keep the finger on one of the apps for a few seconds. A delete button will be displayed on each icon (see below).



Then tap on the YFi icon to remove the YFi app from memory.