

AIPTEK Mini PenCam 1.3 for R/C Planes & Helicopters



Mounting: It is strongly suggest positioning the camera (especially on foamies) on the CG line. Mount the camera using double sided tape or Velcro and route the wire to the receiver. Using a servo extension wire will make it easier to remove the camera from the plane to download images.

Connecting to your receiver: There are two ways to make the camera function. First is to use an "open" or unused channel on the receiver IE: (Gears: CH6). This is the simplest way to operate the camera and simply requires the flick of a switch.

The second method is to use a y-harness and split your throttle wire (Throttle/ESC/CH1) connecting one end to the ESC and the other to the camera.

Taking a Picture: When using an extra channel (IE Gears: CH6) simply flip the switch to the 100% setting to "arm" the camera and flip back to a -100% setting to snap the shot and back to the 100% position to re-arm the camera.

When using a y-harness to the throttle, you'll need to go to full throttle after first powering up to "arm" the camera. From that point on, dropping below 1/4 throttle will take a picture and then rising above 3/4 throttle will re-arm the camera for the next photo.

The camera takes about 5 seconds to save the image to memory. If triggered again too quickly, the camera will make a lower pitch "blip-blip" sound.

Downloading to Computer: Install the "Mega Camera Manager" software from the "Mega Camera Application Software" CD. Connecting the camera to the USB port will power up the camera. Simply run the "Mega Camera Manager" software with the camera connected and click on the download icon:



Notes: The camera **DOES NOT REQUIRE BATTERIES**. However, when disconnecting the battery pack from the ESC the video will be lost (not snapshots!). To solve this, either leave the main/receiver battery connected until connected to computer OR install (2) AAA batteries to retain video footage. Pictures are NOT lost when running without AAA's. The camera can do some unusual things including locking up and losing video when disconnecting the main/receiver battery. For best results, leave the main/receiver battery connected until video has been uploaded.

Do not use with 6V receiver packs!

Troubleshooting: If the camera does not take photos then your trim lever is too far off center or an insufficient ATV mix setting in your R/C transmitter. If you have a non-digital radio, try centering the sub-trim on the camera's channel. If you have a digital radio, then you may need to increase your ATV mix settings so that they are at 100% or higher on both the low and high end.

If the camera locks up, remove the batteries and disconnect the power or hold down both the select and shutter buttons for a few seconds.



Product Features

- **3-in-1 Multi-Function Design:**
Digital Still Camera, Digital Camcorder, and PC Camera
- **1.3 Mega Pixel High Resolution:**
Get Crisp, High Resolution Images from the 1.3 Mega Pixel Image Sensor.
- **Compact Size:**
So Convenient, you can Slip it into your Pocket, and Take it with you Everywhere!
- **Internal 16 MB Flash Memory:**
The PenCam Mega 1.3 Features Built-in 16 MB of Flash Memory, so you Wont Lose your Pictures if the Batteries Die.
- **Send your Pictures or even Live Videos:**
Keep in Touch with Family, Friends, and Clients via E-mail

Specifications

Hardware Resolution	1248 x 960 Pixels
Image Sensor	1.3M CMOS
Image Capacity	1248 x 960 - up to 50 Pictures 640 x 480 - up to 160 Pictures
AVI Movie Format	624 x 480 (HR) 30 seconds @ 10 fps 320 x 240 (LR) 120 seconds @ 10 fps
Video Conferencing	320 x 240 Pixels (up to 20 fps)
Internal Memory	16 MB Built-in SDRAM (for AVI) 16 MB Built-in Flash (for Stills)
External Memory	None
Self-Timer	10 second Timer with Beep
Image Control	Auto Exposure, Auto White-Balance
Shutter Speed	Electric Variable Speed
Image Format	JPEG, AVI (through software)
Frame Counter	3 Digit LCD Display
Computer Interface	USB
Power Saving	Auto Power Off if Idle over 60 Seconds
Power Source	2 AAA Alkaline Batteries USB Port when Plugged into PC
Camera Dimensions	1.3" x 1.22" x 3.54"
Camera Weight	47.5 g/1.68 oz (without Battery)

LCD Display

