

### Care and Maintenance of Aqua Flex Camera -

1. Aqua Flex Camera should be unplugged from power, whenever not in use. Camera remains on as long as power is plugged in!
2. Camera and cord should be carefully dried after each use.
3. If used in a marine environment or a marine aquarium, it is strongly suggested that the Aqua Flex Camera and the video cord be soaked in clean fresh water for a few minutes and then carefully dried.

**Note: Unplug camera whenever not in use, and when washing to be sure power cord is not submerged.**

### Operation of camera with Ken-A-Vision USB Adapter

1. Camera plugged into power as above.
2. Yellow Video plug should be plugged into USB adapter.
3. USB adapter, USB connection plugs into computer.
4. Applied Vision software should be started on computer.
5. Picture should now be captured on computer. Single, time-lapse pictures, time-lapse movies and digital movies can now be captured on computer.



# Aqua Flex

## Instruction Manual

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## Application:

Ken-A-Vision's Aqua Flex is a CCD camera with built in "cool light" source for use underwater. Camera is ideal for use in classroom aquaria (fresh or saltwater), and/or in relatively non-turbid aquatic situations (lakes, ponds, streams, tidal pools) where visualization of organisms or structures is desired. Camera will send a clear picture back to a TV monitor, LCD projector or VCR directly. If a USB adapter (Ken-A-Vision USBAD2) is connected to the camera, individual, time lapse, time lapse movies or video movies can be captured and stored on a computer, Applied Vision® Software for Windows® is supplied with the adapter, and also allows Video Streaming and FTP uploading.

## Specifications:

|                              |  |
|------------------------------|--|
| <b>Water Proof</b>           | <b>50 ft. (15.2 m)</b>   |
| <b>Video Cable</b>           | <b>33 ft. (10 m)</b>   |
| <b>Connection</b>            | <b>Video RCA Jack</b>  |
| <b>Mounting Thread</b>       | <b>1/4 20</b>  |
| <b>Horizontal Attachment</b> |  |
| <b>Brackets</b>              | <b>2</b>   |
| <b>Leader</b>                | <b>1 - suspends unit in horizontal position for hooking on to pole or bar.</b> |
| <b>Illumination</b>          | <b>Ken-A-Vision "Cool light"</b>   |
| <b>Weight</b>                | <b>2 lbs. (0.91 kg.)</b>   |
| <b>Image Output</b>          | <b>Composite (NTSC or PAL)</b>   |
| <b>Focal Distance</b>        | <b>3.9 in. or 10 cm. to infinite: fixed</b>                                    |
| <b>Magnification</b>         | <b>50:1 or greater</b>   |
| <b>Power Supply</b>          | <b>250mA @ 5 volts DC<br/>(KAV Part Number AFPS)</b>                           |
| <b>Warranty</b>              | <b>1 year</b>  |

## Optional Accessories:

**Submersible Extension Rod**

**Car Adapter (for power)**

**Outdoor Nature Trail Pack**

## Aqua Flex Preparation:

**Note: Be careful not to submerge 110v end of power cord.**

### Powering up Aqua Flex camera -

1. Plug the Power Supply into the red end plug of the Video Cable.
2. Plug the Yellow video plug into the TV monitor, LCD Projector or VCR. (note-VCR cord can be extended by a video cable extension available in many electronic stores)
3. Plug power Supply cord into electricity source.
4. Picture should appear on monitor.

### Preparation of Aqua Flex Camera -

1. Camera is ready to submerge in water as shipped. It can be placed on bottom or suspended.  
NOTE: It is not recommended that camera be suspended or maneuvered by the Video Cable itself, as continued pulling on cord will shorten the life of the camera and it's electrical hookup.
2. Camera can be suspended or maneuvered by screwing a 1/4 20 screw mount into the base of the camera, in the hole provided. (This is a standard camera tripod mount, or a piece of 1/4 20 all-screw can be purchased at a hardware store, or a 1/4 20 bolt can be mounted on the end of a rod and then connected to the camera).
3. If camera to be suspended horizontally in water, either hook suspension apparatus directly to two mounting hooks provided, or hook leader to the two mounting hooks, and connect leader to suspension apparatus.