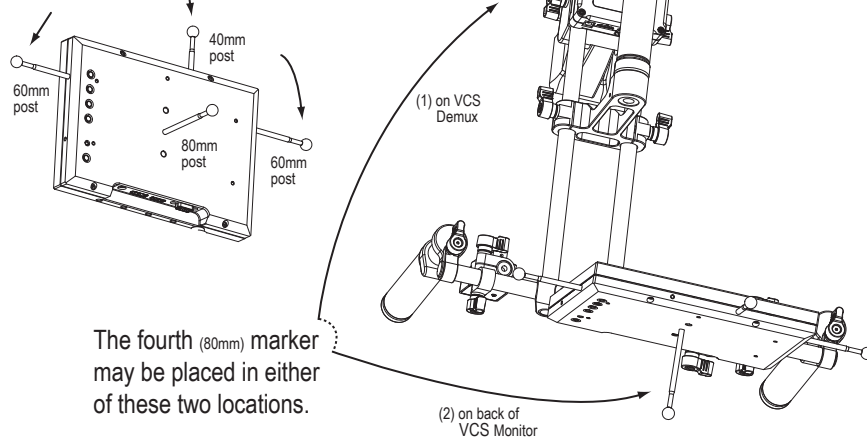# * Marker Configurations

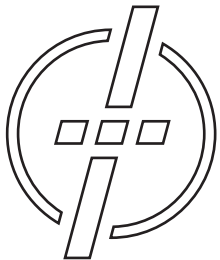The VCS:Pro rig needs four markers total. Place one marker on top of the HD monitor and one on either side.

60mm post

40mm post

80mm post

60mm post

(1) on VCS Demux

The fourth (80mm) marker may be placed in either of these two locations.

(2) on back of VCS Monitor

4. Software Compatibility & Usage

Windows 7 is preferred. Windows Vista and XP operating systems are supported.

The Insight VCS system is intended for use with NaturalPoint's MotionBuilder and Maya VCS plugins. Buttons and joysticks can be mapped for extensive camera control. See the MotionBuilder and Maya plugin manuals at OptiTrack.com for additional information.
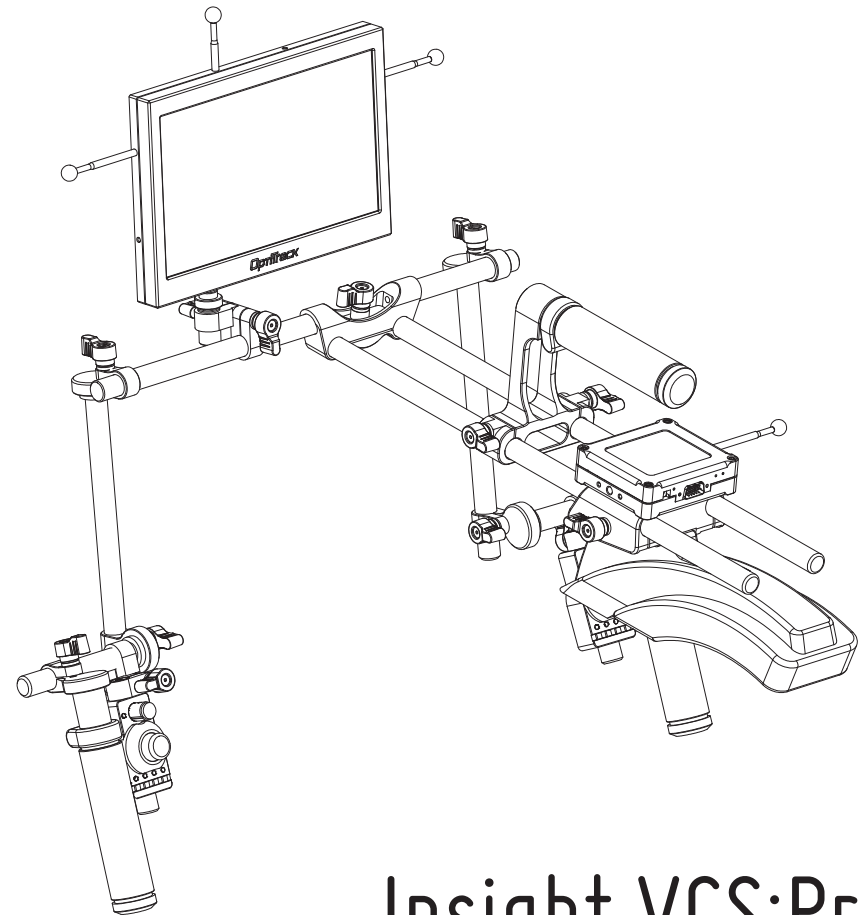
Friendly Customer Service

If you have any difficulties after reviewing the documentation, visit our website or call 1.541.753.6645 between 9AM-5PM PT.

Visit www.OptiTrack.com for the latest software support, sample code and product news.

OptiTrack.com
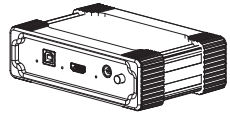
OptiTrack™ *by* NaturalPoint ®

Insight VCS:Pro
quick start guide

1. Review Components & Assemble Rig

The following Insight VCS:Pro items are included:

Rig Components
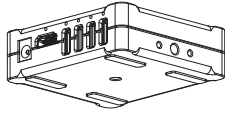1 x microShoulderMount Deluxe Bundle
1 x microMount
1 x microHandle
2 x 8" Grip Rod w/ clamp
2 x 4" Grip Rod w/ clamp
1 x VCS HD Monitor
2 x VCS USB Joystick
1 x VCS Mux assembly
1 x VCS Demux assembly

Cables
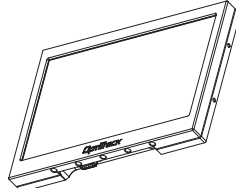1 x 50' or 100' custom 15-pin VCS cable
1 x 36V power brick/cable
1 x 5m A to B USB Uplink cable
1 x 10' DVI-HDMI cable
2 x 24" MiniUSB B Up Angle USB cable
1 x DC Plug Cable, 2.1mm, 24"
1 x 18" HDMI M / M cable

Markers and Posts
1 x VCS Markers & Posts
4 x Reflective Marker : 7/16" Hard
1 x 40mm mounting post
2 x 60mm mounting post
1 x 80mm mounting post

VCS Mux assembly

VCS Demux assembly

VCS HD Monitor

Note: The VCS Mux should sit near the PC. The USB, DVI-HDMI and power cables go to/from the Mux and PC. The Demux assembly is attached to the rig. See rig diagrams at right.

2. Connect Cables

Connect the 50' or 100' custom 15-pin VCS cable to the Mux and Demux BEFORE connecting any other cables. Then apply power and connect Mux to PC and Demux to assembled VCS:Pro rig. See diagrams at right.

3. Setup Monitor & Video Display

The HD monitor has five buttons on the back. You may need to select HDMI input for proper display, using the SEL button (second button from the bottom).

MENU
DOWN
UP
SEL
POWER

Based on your software/usage preferences, you can choose to extend or duplicate your Windows desktop onto the VCS:Pro's HD LCD display screen (using Display Properties in Windows).

Native resolution of the VCS:Pro's HD LCD display is 1280x768, but the resolution can be scaled up to 1920x1080. If you are duplicating your desktop, you will want to match your primary PC monitor's resolution to one of these two dimensions.
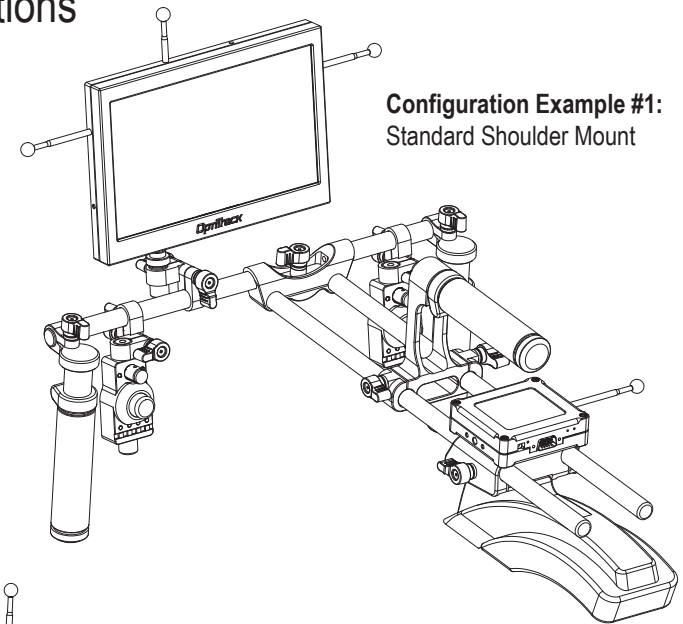
On the side of the Demux there is a rotary switch, with settings from 0 to 7, to set the gain for the video. The default setting will typically result in minimal gain (noise). However, when the system is used with a 100' 15-pin cable, the gain switch might need to be adjusted to improve video quality.
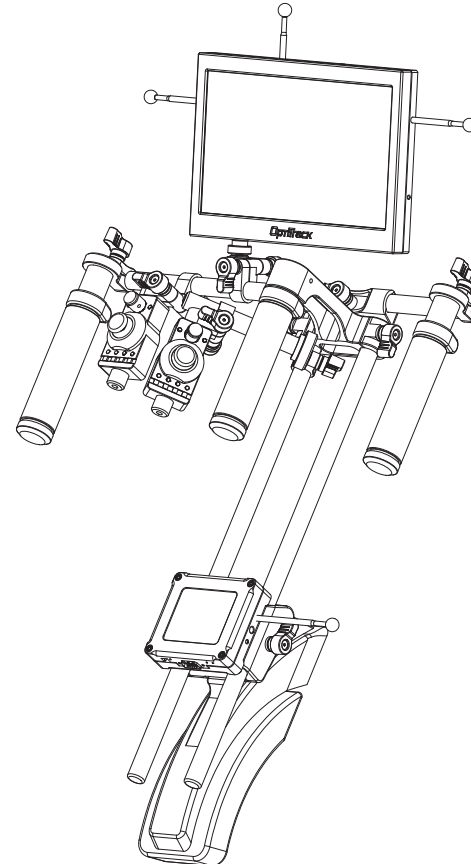
* Rig Configurations

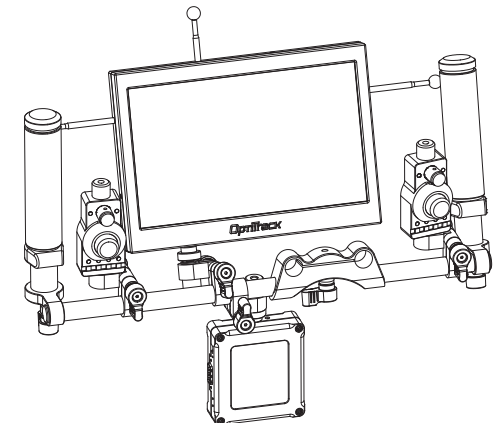The orientation of the VCS:Pro rig components can be adjusted to fit your body and shooting style.

(See back page for marker configurations.)

Configuration Example #1:
Standard Shoulder Mount

Configuration Example #2:
Low Profile / Down Low

Configuration Example #3:
Flying / Without Shoulder Mount