A listing of various VR gloves is shown below. The prices of those given are listed below are displayed, those not given any info are denoted with a “---”. The P5 Glove is the only reasonably priced VR glove I found and therefore I choose to research reviews of the P5 Glove.

<table>
<thead>
<tr>
<th></th>
<th>P5 Glove</th>
<th>5DT Data Glove 5 Ultra</th>
<th>5DT Glove 14</th>
<th>5DT Data Glove MRI</th>
<th>DG5-Vhand Glove</th>
<th>X-IST Data Glove</th>
<th>MidiGlove</th>
<th>Pinch Glove</th>
<th>CyberGlove II</th>
<th>CyberTouch</th>
<th>CyberGrasp</th>
<th>CyberForce</th>
</tr>
</thead>
<tbody>
<tr>
<td>USB Price</td>
<td>$89.00</td>
<td>$895.00</td>
<td>---</td>
<td>---</td>
<td>$585.00</td>
<td>$2300.00 (5 bend sensors)</td>
<td>$1200.00</td>
<td>$1899.00</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Wireless Price</td>
<td>N/A</td>
<td>$1495.00</td>
<td>---</td>
<td>---</td>
<td>$750.00</td>
<td>$1300.00</td>
<td>N/A</td>
<td>N/A</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>SDK</td>
<td>YES</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>YES</td>
<td>YES C++ SDK</td>
<td>YES Optional SDK</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
</tbody>
</table>

**P5 Glove Reviews:**
I looked up a variety of websites to find the good and the bad about the P5 Glove. Here are the results of my findings:

**PROS:**
- Setup nearly plug-n-play, with only a set of install CD’s.
- Sensitivity for each finger can be adjusted.
- Mouse clicks can be assigned to different digits.
- Sensitivity to hand movement can be customized.
- Supports Yaw, Pitch, & Roll (Left/Right; Up/Down; Barrel Roll)
- Different types of settings can be used:
  - Beachhead uses bending of index finger to shoot barrage and bending middle finger to shoot missiles.
  - Hitman 2 controls sniper zoom by simultaneously bending the middle, ring, and pinkly fingers while moving the P5 closer to the base station.
- Drivers are open source. Can download newest drivers from yahoo group “P5GLOVE”.
- A program called Programmable Input Emulator (P.I.E.) that allows you to map movements to actions.
- Can be used as a simple mouse controller.
CONS:
- Receiver is infrared making line of sight distancing sometimes a burden.
- Can’t fit on left hand.
- Thumb doesn’t have 2 bend sensors so thumb isn’t really effective for performing actions. Although other four fingers work well.
- Biggest hurdle to overcome is the field of motion and sensitivity.
- Learning curve can be frustrating. Lots of overshooting goal. Sometimes hard to get response on screen.
- Playing will tire your arm out.

NEUTRAL:
- Squeeze each finger to register as a button press.
- Can play any game with a mouse, but realistically only games that are P5 enabled well.
- Responds better to quick sudden movements then longer drawn out moves.

Summary:

The P5 glove can take awhile to get used to. It can be used as a simple mouse controller however, which is nice for navigation. People say that the navigation can be jittery even just moving across the Windows desktop but the drivers are now open source and can be updated to make the controls less jittery. The thumb has a bad sensor, however the other four fingers are good for controlling and can their sensitivity can be customized. Many different combinations of actions can be used simultaneously to perform a command. The P5 provides control with yaw, pitch, and roll which is nice for creating gestures. The infra red base station seems to be bad for reading glove movement. It seems sudden movements will work better than slow movements across the screen. To get the best use out of the P5 glove, it should be used with P5 enabled games. For the purposes of this project, I’m designing the project specifically for the P5 glove so I’ll be tapping into the P5’s best potential. Overall the P5 seems to have a few drawbacks but for the price and control that it gives I believe it provides the potential for interesting project ideas.
References:

http://pc.gamerzone.com/gzreviews


http://www.geocities.com/mellott124/p5.htm

http://www.atomicmpc.com/aui/Review

http://www.vrealities.com/glove.html