DeltaVision Imaging Systems
Technical Specifications
# Product Comparison Chart

## DeltaVision Core vs. personalDV

<table>
<thead>
<tr>
<th>Base System</th>
<th>DeltaVision Core</th>
<th>personalDV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microscope Base</td>
<td>Olympus IX71</td>
<td></td>
</tr>
<tr>
<td>Illumination Sources</td>
<td>250 W Xenon LED Transillumination</td>
<td></td>
</tr>
<tr>
<td>Stage</td>
<td>NanoMotion III Control 25mm (X) x 50mm (Y) x 1mm (Z) patent pending flexure design stage</td>
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</tr>
<tr>
<td>Filter Sets</td>
<td>DV quad filter set DAPI</td>
<td></td>
</tr>
<tr>
<td>Filter Wheel Specs</td>
<td>10-position ND filter wheel</td>
<td>5 element neutral density filter set</td>
</tr>
<tr>
<td>Objectives</td>
<td>qualified 60x oil 1.42 NA</td>
<td></td>
</tr>
<tr>
<td>Camera</td>
<td>CoolSnap HQ2 (20M/10MHz)</td>
<td>CoolSnap ES2 (20MHz)</td>
</tr>
<tr>
<td>Computer Hardware Specs</td>
<td>dual processor/dual core CPU 4GB RAM 1TB RAID Storage DVD-R 24&quot; LCD monitor</td>
<td>dual processor 2GB RAM 400GB RAID Storage DVD-R 19&quot; LCD monitor</td>
</tr>
<tr>
<td>OS</td>
<td></td>
<td>CentOS (Linux)</td>
</tr>
<tr>
<td>Image Processing and Analysis</td>
<td>DMS 1.1 (Win, MAC, Linux) softWoRx Suite 1.3</td>
<td>softWoRx 3.7.0 (Linux)</td>
</tr>
<tr>
<td>Data Management</td>
<td></td>
<td>softWoRx Explorer (Win, MAC, Linux)</td>
</tr>
<tr>
<td>Footprint</td>
<td>3 ft x 6 ft (90 cm x 180 cm) (includes airless vibration isolation table and electronics rack)</td>
<td>3 ft x 5 ft (90 cm x 150 cm) (includes vibration isolation platform)</td>
</tr>
</tbody>
</table>

## Options/Upgrades

### Filters
- CFP/YFP AND EGFP/mCherry

### Objectives
- API certified 40x, 60x, 100x oil
- API certified 40x, 60x water

### QLM
- 488 nm Fast FRAP (GFP, YFP, Alexa488), FLIP, Drpina (base)
- 405 nm Pa-GFP, Laser FRET (CFP), Drpina
- 514 nm Laser Acceptor Depletion FRET (YFP)
- 561 nm Fast FRAP, FLIP (mCherry, mApple)
- n/a

### TIRF
- available
- n/a

### Multiplex
- EGFP/mCherry Polychroic and Dual Band EM CFP/YFP Polychroic and Dual Band EM

### Environmental Control
- Integrated opaque chamber with CO₂, humidity and temperature controls

### Data Management
- n/a
- softWoRx Suite DMS 1.1 (powered by Glencoe)

### Stage
- n/a
- 25mm (X) x 50mm (Y) x 1mm (Z) patent pending flexure design stage

### Table
- n/a
- Airless vibration isolation table

### Camera
- Cascade II EMCCD
- CoolSnap HQ2

### Monitor
- 30" LCD monitor
- 24" LCD monitor