

Camera	Pros	Cons
All have super high picture quality, full hd, bnc connectors, hd/sdi out, CMOS sensors		
Canon XF105 (\$4000)	<p>amazingly cheap and small for genlock/hdSDI</p> <p>small (this is a con, with respect to broadcasting, but a pro if the City wants to use these for smaller projects too)</p> <p>cheapest camera on the BBC's approved HD list</p> <p>large, 3.5" high-res LCD panel</p> <p>HDMI out</p>	<p>10x zoom is on the shorter side for sports</p> <p>only one manual ring (focus/zoom switchable)</p> <p>cannot be used with pro-type zoom/focus controllers</p> <p>minimal ND filter settings</p> <p>fixed lens</p> <p>not shoulder-mountable</p> <p>small</p>
Canon XF305 (\$7500)	<p>18x zoom</p> <p>huge, 4" high-res LCD (left/right switchable)</p> <p>HDMI out</p> <p>could be used in a mixed setup with XF105's, since they use the same chip</p> <p>physical ND filters</p> <p>genlock</p>	<p>cannot be used with pro-type zoom/focus controllers</p> <p>medium size... not small, but not shoulder-mountable</p> <p>fixed lens</p> <p>not shoulder-mountable</p>
Sony HXR-NX5U (\$4000)	<p>20x zoom</p> <p>AVCHD recording format</p> <p>wide-angle lens</p> <p>HDMI out</p> <p>physical ND filters</p> <p>small (this is a con, with respect to broadcasting, but a pro if the City wants to use these for smaller projects too)</p> <p>separate zoom/focus rings</p>	<p>no genlock (manageable with a TBC switcher)</p> <p>cannot be used with pro-type zoom/focus controllers</p> <p>fixed lens</p> <p>not shoulder-mountable</p> <p>small</p>
Panasonic HPX-370 (\$9000)	<p>17x zoom</p> <p>interchangeable pro-style lens</p> <p>shoulder-mount ENG configuration (but also a con if the City wants to use these for smaller projects)</p> <p>huge number of frame-rates (not critical for our use)</p> <p>physical ND filters</p> <p>HD/SDI out (x2)</p> <p>DC power in and out (XLR)</p> <p>CCU cable connection, full remote capability</p> <p>Viewfinder out</p> <p>can accommodate pro-style zoom/focus controllers</p> <p>only "studio-ready" option</p> <p>firewire and USB out</p>	<p>large</p> <p>expensive accessories: external LCD, zoom/focus controllers, tripod adapters, batteries, etc.</p>