

Table 2: Cost comparison of IP and analogue CCTV systems in a sports stadium project

Analogue system	IP addressable system
<p>Fully functional dome camera High resolution (470tvl) colour/mono, low light, weatherproof housing, column mounted, high speed pan/tilt/zoom with presets Installed 10 x £5000 = £50,000</p> <p>Fully functional dome camera – wall mount As above but wall or ceiling mounted Installed 22 x £4000 = £88,000</p> <p>Static camera High resolution colour/mono switching, ½ inch CS, 8-80mm varifocal lens, all weather housing, wall mounted Installed 32 x £1750 = £56,000</p>	<p>Assuming an existing internal IP network with sufficient spare capacity.</p> <p>Fully functional dome camera – external mount High resolution (470tvl) colour/mono, low light, weatherproof housing, column mounted, high speed pan/tilt/zoom with presets. IP interfaced within building Installed 10 x £5,000 = £50,000</p> <p>Fully functional dome camera – wall mounted As above but wall or ceiling mounted wired directly to IP network Installed 22 x £3500 = £77,000</p> <p>Static camera High resolution colour/mono switching, ½ inch CS, 8-80mm varifocal lens, all weather housing, wall mounted Installed 15 x £1500 = £22,500</p> <p>IP static camera Internal only, colour, ¼ inch varifocal, low voltage POE. Installed 17 x £1500 = £25,500</p> <p>IP encoders Analogue to IP interface for non-IP cameras. Installed 10 x £1200 = £12,000</p> <p>System software manager Proprietary software for CCTV management 1 x £10,000 = £10,000</p>
<p>Digital recorder (DVR) 16 channel, 1 terabyte, networkable, 1-4CIF, 400ips, rack mounted Installed 4 x £12,000 = £48,000</p>	<p>Network digital recorder (distributed configuration) 24 channel, 4.8 terabytes, networkable, 1-4CIF, 400ips, virtual matrix, rack mounted Installed 1 x £25,000 - £25,000</p> <p>Network digital recorder (distributed configuration) 48 channel, 4.8 terabytes, networkable, 1-4CIF, 400ips, virtual matrix, rack mounted Installed 1 x £35,000 = £35,000</p>
<p>External RAID storage 2 terabyte, hot swap per DVR. Installed 4 x £5000 = £20,000</p> <p>Matrix 64 inputs, high speed switching, rack mount. Installed 1 x £4500 = £4500</p> <p>Matrix keyboard Joystick control, desk mount Installed 10 x £900 = £9000</p> <p>Multiplexers 16 channel, duplex, colour, rack mount Installed 4 x £2000 = £8000</p> <p>Video amplifiers 8x16 split, auto gain and control, rack mount. Installed 8 x £1000 = £8000</p> <p>Workstations Pentium 4+ level PCs with CDR/DVD, proprietary software, high speed networking, flat screen, network switchers. Installed 10 x £2000 = £20,000</p>	<p>Additional storage External storage devices (1.5Tb, 3.0Tb, 4.8Tb). Installed 3 x £15,000 = £45,000</p> <p>Modular keyboard Joystick control, desk mount. Installed 10 x £1200 = £12,000</p> <p>Workstations Pentium 4+ level PCs with CDR/DVD, high speed networking, flat screen Installed 10 x £4000 = £40,000</p>
<p>Display Combination of 42" to 19" display for control stations Installed 42" LCD 6 x £4000= £24,000 Installed 32" LCD 6 x £3500 = £21,000 Installed 19" LCD 14 x £2000 = £28,000</p> <p>Console and racks Custom built display and control consoles for match day stations Installed 3 x £15,000 = £45,000</p> <p>Remote site Remote site monitoring equipment and annual charge. £20,000</p> <p>UPS Shut down only. Installed 3 x £3500 = £10,500</p>	<p>Display Combination of 42" to 19" display for control stations Installed 42" LCD 6 x £4000 = £24,000 Installed 32" LCD 6 x £3500 = £21,000 Installed 19" LCD 14 x £2000 = £28,000</p> <p>Console and racks Custom built display and control consoles for match day stations Installed 3 x £15,000 = £45,000</p> <p>Remote site Remote site monitoring equipment and annual charge. £20,000</p> <p>UPS Shut down only. Installed 3 x £3500 = £10,500</p>
<p>Total = £460,000</p>	<p>Total = £502,500</p>