

# TOP 10 PRO DIGITAL CAMERAS & DIGITAL VIDEO CAMERAS

		Pro digital cameras	Actual sensor	Optical zoom Equivalent range	Max aperture	Viewfinder type LCD size	Shutter speeds	Storage media Supplied media	Closest focus distance (macro)	Accessories
	<b>1</b> Sony Cybershot DSC-F717 08705 111 999 www.sony.co.uk LAST MONTH 1	<ul style="list-style-type: none"> <li>£640 ex VAT</li> <li>1-year warranty</li> <li>659g inc battery</li> <li>First review Dec 02</li> </ul>	5Mp	5x 38-190mm	f2.0-2.4	electronic 1.8in	1/2,000 to 30 secs	Memory Stick 32MB	2cm	Hotshoe, sync plug
The F717 remains an impressive Best Buy, producing the most detailed pictures we've seen from any professional 5Mp model. Its bright optical aperture means that faster shutter speeds can be used under dim conditions, while features like the autofocus illuminator and infrared night mode are excellent additions.										
	<b>2</b> Nikon Coolpix 5000 0800 230 220 www.nikon.co.uk LAST MONTH 2	<ul style="list-style-type: none"> <li>£680 ex VAT</li> <li>1-year warranty</li> <li>414g inc battery</li> <li>First review Jul 02</li> </ul>	5Mp	3x 28-85mm	f2.8-4.8	optical 1.8in	1/2,000 to 60 secs	CompactFlash 32MB	2cm	Hotshoe
The compact 5Mp Nikon has plenty of features. It delivers 2,560x1,920 pixel images and the lens offers much wider angled shots than competitors'. Choose between manual settings or foolproof automatic modes – there's even a movie option that captures 60 seconds of basic video.										
	<b>3</b> Nikon Coolpix 5700 0800 230 220 www.nikon.co.uk LAST MONTH 3	<ul style="list-style-type: none"> <li>£850 ex VAT</li> <li>1-year warranty</li> <li>512g inc battery</li> <li>First review Oct 02</li> </ul>	5Mp	8x 35-280mm	f2.8-4.2	electronic 1.5in	1/4,000 to 8 secs	CompactFlash 32MB	3cm	Hotshoe
Nikon's Coolpix 5700 boasts a 5Mp CCD, flip-out and twist LCD screen and a 32MB CompactFlash card which stores up to 20 best-quality Jpeg images (although we'd prefer slightly less compression on these). Its giant 8x optical zoom is equivalent in coverage to 35-280mm, which makes it top dog for focal length.										
	<b>4</b> Olympus Camedia E10 0800 072 0070 www.olympus.co.uk LAST MONTH 4	<ul style="list-style-type: none"> <li>£850 ex VAT</li> <li>1-year warranty</li> <li>1,170g inc battery</li> <li>First review Jul 02</li> </ul>	4Mp	4x 35-140mm	f2.0-2.4	SLR 1.8in	1/640 to 8 secs	CompactFlash 16MB	20cm	Hotshoe, sync plug
Olympus has opted for an optical SLR viewfinder on the 4Mp E10, which allows more precise focusing. Images have 2,240x1,680 pixels and make great-looking 11x8in inkjet prints. Zooming is performed with a mechanical ring and there's also a pop-up flash and sync plug for proper studio lighting.										
	<b>5</b> Nikon D100 0800 230 220 www.nikon.co.uk LAST MONTH 5	<ul style="list-style-type: none"> <li>£1,617 ex VAT</li> <li>1-year warranty</li> <li>700g body only</li> <li>First review Feb 03</li> </ul>	6.1Mp	any Nikon F-Mount lens	dependent on lens	SLR 1.8in	1/4,000 to 30 secs	CompactFlash none	dependent on lens	Hotshoe
The D100 digital SLR uses most of Nikon's range of F-Mount 35mm lenses. Its 6.1Mp CCD is physically larger than other models' so it's quieter in use and it produces pictures that look great printed up to A3. Storage is on Type I or II CompactFlash cards, but you must supply your own – £1,617 covers the cost of the body alone.										

		Digital video cameras	Image processor	CCD	Optical digital zoom	Max aperture	Horizontal DV resolution	FireWire in out	Focal distance	Multi-media card
	<b>1</b> JVC GR-DVL767EK 0870 330 5000 www.jvc.co.uk LAST MONTH 1	<ul style="list-style-type: none"> <li>£680 ex VAT</li> <li>1-year warranty</li> <li>567g</li> <li>First review Jul 02</li> </ul>	1/3.8in CCD	1.02Mp	10x 500x	1.8	530 lines	yes yes	3.8-38mm	8MB
The JVC is comfortable to use thanks to its easy-to-reach zoom and record controls. A side-loading tape mechanism is convenient when shooting on a tripod and the 10x optical zoom is smooth. Video quality is also excellent. What really tips the balance, though, is the comprehensive range of connectivity options.										
	<b>2</b> Sony DCR-TRV18E 0870 511 1999 www.sony.co.uk LAST MONTH 2	<ul style="list-style-type: none"> <li>£454 ex VAT</li> <li>1-year warranty</li> <li>705g</li> <li>First review Jul 02</li> </ul>	1/4in CCD	680,000 pixels	10x 120x	1.7	500 lines	no yes	3.3-33mm	8MB
The Sony DCR-TRV18E combines excellent performance with some great professional add-ons at a bargain price. It offers a 10x optical and 120x digital zoom, both of which provide sharp results. It's comfortable in use and can capture stills via the 680,000 pixel CCD and stores them on its 8MB proprietary Memory Stick.										
	<b>3</b> Samsung VPD77i 0800 521 652 www.samsungelectronics.co.uk LAST MONTH 3	<ul style="list-style-type: none"> <li>£495 ex VAT</li> <li>1-year warranty</li> <li>590g</li> <li>First review Jul 02</li> </ul>	1/4in CCD	800,000 pixels	22x 500x	1.6	500 lines	yes yes	3.6-79.2mm	8MB
Compact, ergonomic and affordable, the VPD77i offers a side-loading tape mechanism and easy-to-operate controls. The fold-out LCD lacks clarity and detail, but its image processor captures detailed footage. The 22x optical zoom is impressive, although when using the 500x digital zoom the picture becomes fuzzy.										
	<b>4</b> Canon MV550i 0870 514 3723 www.canon.co.uk LAST MONTH 4	<ul style="list-style-type: none"> <li>£680 ex VAT</li> <li>1-year warranty</li> <li>530g</li> <li>First review Jul 02</li> </ul>	1/6in CCD	540,000 pixels	22x 440x	1.8	500 lines	yes yes	2.8-61.6mm	8MB
Aimed at novices, the sleek and attractive MV550i has plenty of features but Canon has forgotten some key requirements: images lack detail and appear drained of colour. The auto-exposure also coped badly during transitions from low to bright light. Transferring footage via the DV port was very easy, however.										
	<b>5</b> Panasonic NV-DS29B 08705 357 357 www.panasonic.co.uk LAST MONTH 5	<ul style="list-style-type: none"> <li>£499 ex VAT</li> <li>1-year warranty</li> <li>510g</li> <li>First review Sep 02</li> </ul>	1/4in CCD	800,000 pixels	10x 500x	1.8	500 lines	no yes	3.6-36mm	n/a
The reasonably priced NV-DS29B offers excellent image quality with sharp detail and bright colours. The Panasonic has a smooth 10x optical and 500x digital zoom, too, although there is a serious lack of features. S-Video and serial connections are included, but there's only a DV-out option and no USB port.										

## Buying advice: Pro digital cameras

When you're paying over £700 for a digital camera you expect to get a good product in return. Obviously if you pay up to £2,000 you can find models in excess of 7Mp (megapixels). Around the £1,000 mark you should expect a 5Mp CCD (charge-coupled device). Professional digital cameras cover all aspects of

photography. You can set most cameras to automatic but anyone willing to pay this much money for a camera wants total control over their photography.

Even at this high price point we're still seeing a pitiful amount of storage bundled with cameras; manufacturers expect consumers to pay out for better cards. Standard storage is 32MB but the higher the megapixels the fewer shots you

can get on a storage card so you'll need much more than this to truly get the best out of your camera. A 4x or 5x optical zoom is reasonable, but shop around and you might track down an 8x optical zoom.

In terms of bundled extras, rechargeable lithium batteries with an adapter and decent software are standard on Professional cameras – opt for Adobe's Photoshop Elements if you can.