






TOP 10 DIGITAL PROJECTORS & FLATBED SCANNERS

	Digital projectors	LCD/DLP technology	Max brightness	Lamp life (hours)	Dimensions (wxdxh)	Max resolution	Wireless facilities	Economy mode	Noise
			Contrast ratio	Replacement bulb	Weight		Memory card		
1	 InFocus X1 01628 666 622 www.infocus.com LAST MONTH 1	• £999 ex VAT • 2-year warranty • First review Apr 03	DDR DLP 1,000 Ansi lumens 2,000:1	3,000 varies	249x318x106mm 3.1kg	800x600 (SVGA)	no no	no	37dB
Not only is the InFocus cheap to buy and run, it's equipped with cutting-edge DDR DLP technology that handles dark colours well. The X1's clear display and sharp definition make it adept at both video and Windows apps. The device isn't particularly quiet in operation so it's more suited to the office than home environment.									
2	 NEC LT220 0845 404 020 www.nec.co.uk LAST MONTH 2	• £1,999 ex VAT • 3-year warranty • First review Apr 03	SDR DLP 1,800 Ansi lumens 600:1	1,500/2,000 £298	260x275x92mm 3.2kg	800x600 (SVGA)	yes yes	yes	32dB/ 29dB
The LT220 may be pricey but it's a superior projector that boasts one of the best images in the chart. Business users will appreciate the clean mono display while cinephiles will relish the bright tints and warm hues. Another bonus is the large screen and lack of system noise – it can be restricted to a near-inaudible 29dB.									
3	 CTX PS-5140 01923 810 800 www.ctxeurope.com LAST MONTH 3	• £1,025 ex VAT • 2-year warranty • First review Mar 03	LCD 1,400 Ansi lumens 400:1	2,000 £249	283x243x91mm 2.7kg	800x600 (SVGA)	no no	no	37dB
Thanks to its brightness rating, the value-for-money CTX offers a display that remains visible in the lightest of conditions, although its basic LCD technology means the image isn't as sharp or well defined as the Best Buy (which uses DDR DLP). On office apps, in particular, you'll notice a reduction in colour scheme purity.									
4	 Epson EMP-53 0800 220 546 www.epson.co.uk LAST MONTH 4	• £1,399 ex VAT • 3-year warranty • First review Apr 03	LCD 1,700 Ansi lumens 500:1	1,500/2,000 £299	315x240x97mm 2.9kg	800X600 (SVGA)	no no	yes	36dB/ 33dB
At just £1,399, the EMP-53 offers a massive screen size for less money. The contrast ratio is above average for an LCD model, but the SVGA resolution means that pictures lack depth of colour. A high brightness rating means it will work in the lightest conditions, while the powerful remote control is another bonus.									
5	 NEC LT260 0845 404 020 www.nec.co.uk LAST MONTH 5	• £3,499 ex VAT • 3-year warranty • First review Jan 03	DDR DLP 2,100 Ansi lumens 1,600:1	1,500/2,000 £298	260x275x92mm 2.9kg	1,600 x1,200	yes yes	yes	32dB/ 29dB
With its peerless features set and glorious image quality, the LT260 is the current gold standard. Wireless network facilities do away with the need to be connected to the projector. Users can copy their presentation to a PC Card, enabling executives to leave their notebooks in the office. The LT260's only fault is its huge price tag.									

Flatbed scanners	Interface connection	Supported operating systems	True colour depth	Optical resolution	Transparency adapter	Dimensions (wxdxh)	Graphics software
				Software interpolated		Weight	Optical character recognition software
<ul style="list-style-type: none">• £69 ex VAT• 1-year warranty• First review Aug 02	USB 2.0	98/Me/2000/XP	48bit	1,200x2,400dpi 9,600dpi	optional	257x460x71mm 2.4kg	ArcSoft PhotoStudio ScanSoft OmniPage Pro
Combining a top-notch spec and low price tag, the D1250U2 refuses to budge from the Best Buy spot. The competition might be able to match Canon's offering in terms of performance but, considering its high-quality features, the Canon is unbeatable in terms of value for money. The software package is generous, too.							
<ul style="list-style-type: none">• £110 ex VAT• 1-year warranty• First review May 03	USB 2.0	98/Me/2000/XP	48bit	1,200x4,800dpi 4,800dpi	built-in	432x302x66mm 3.9kg	Photoshop Elements TextBridge Classic
The 3.9kg OneTouch is a robust model that, thanks to its quick-scan buttons, is easy to use. It's a reasonably priced device but still costs a good deal more than the Best Buy Canon. If the CanoScan D1250U2 wasn't such a bargain the Visioneer could quite easily have nabbed the number one spot.							
<ul style="list-style-type: none">• £212 ex VAT• 1-year warranty• First review Mar 03	USB 2.0	98/Me/2000/XP	48bit	2,400x2,400dpi 9,600dpi	built-in	545x317x167mm 7.2kg	HP Suite Iris OCR
At a resolution of 300dpi the 5500c took seven seconds to scan a colour A4 page, making it the fastest low-resolution scanner in the chart. Scan quality is also fantastic – the 48bit colour depth is rich, accurate and more than a match for any of the other competitors' scans. All of this comes at a price, though: a steep £212.							
<ul style="list-style-type: none">• £179 ex VAT• 1-year warranty• First review Mar 03	USB 2.0	98/Me/2000/XP	48bit	1,200x4,800dpi 9,600dpi	built-in	278x508x107mm 3.4kg	PhotoStudio, PhotoBase ScanSoft OmniPage SE
The 5000F isn't cheap but it offers plenty of features to keep professional users happy while being straightforward enough for a novice. The USB 2.0 interface is used to good effect and is best demonstrated at high resolutions – it outstrips even the speedy third-placed HP at 1,200dpi (dots per inch) and beyond.							
<ul style="list-style-type: none">• £127 ex VAT• 1-year warranty• First review May 03	USB 2.0	98/98SE/Me/2000/XP	48bit	1,200x4,800dpi 9,600dpi	optional	578x272x89mm 2.8kg	MGI PhotoSuite III Abbyy FineReader Sprint
The Astra scans an A4 colour page in less than 70 seconds – some 20 seconds slower than the Best Buy – but it's fast enough for most users' needs. The bulky device takes up vital desk space, though, and it's lightweight with a flimsy lid. Scan quality was reasonable without being outstanding, particularly in terms of colour.							

Buying advice: projectors

Projector brightness is measured in Ansi lumens. On a business model look for at least 1,000 Ansi lumens; for home use more than this will be overpowering. If the projector's confined to a small room then a short throw lens will produce a larger picture, although colour and focus may be reduced. Economy mode sacrifices

brightness in favour of longer lamp life and a useful side effect is reduced noise.

If you need to carry the projector long distances look for a 1.5kg or lighter model. A memory card slot means you can leave the notebook behind, while wireless facilities let you control the projector from several PCs without the added hassle of connecting and disconnecting leads.

The higher the resolution support the more detail used to generate the image. XGA (1,024x768) support is preferable for displaying apps, although for low-detail programs or home video SVGA (800x600) will suffice. Unless you're using the projector constantly you're unlikely to need to replace the lamp too often. It's still worth comparing the price of a replacement with the number of hours it can burn for.