











TOP 10 DIGITAL PROJECTORS & FLATBED SCANNERS

			Digital projectors	Brightness (Ansi lumens)	Lamp life (hours)	Lamp power (Watts)	Replacement bulb	Weight	Maximum resolution	Dimensions (wxdxh)
1		NEC LT260 0845 404 020 www.nec.co.uk NEW	<ul style="list-style-type: none"> £2,999 ex VAT 3-year warranty First review Dec 02 	2,100	1,500	220W	£298	2.9kg	1,024x768	260x275x92mm
				The LT260 is the new benchmark for image quality. Thanks to DLP (digital light processing) technology, a high brightness rating of 2,100 Ansi lumens and the fantastic 1,300:1 contrast ratio the picture is sharp and focused. NEC has also built in 802.11b wireless networking support to this 2.9kg unit.						
2		Toshiba TLP-561 01932 828 828 www.toshiba.co.uk NEW	<ul style="list-style-type: none"> £1,950 ex VAT 3-year warranty First review Dec 02 	1,300	2,000	150W	£300	3.9kg	1,024x768	260x352x96mm
				Toshiba's TLP-561 is aimed at a market looking for a budget solution. The contrast ratio is a meagre 400:1, while the 1,300 Ansi lumens brightness rating is enough for most environments. The Toshiba's output, though not comparable to the NEC's, is no worse than that of the other sub-£2,000 projectors.						
3		Sharp PG-M25X 0800 262 958 www.sharp.co.uk LAST MONTH 1	<ul style="list-style-type: none"> £3,675 ex VAT 3-year warranty First review Nov 02 	1,900	2,000	210W	£275	2.6kg	1,024x768	223x318x83mm
				The Sharp PG-M25X offers cutting-edge features, but at a price. Its brightness rating of 1,900 Ansi lumens ensures that images can be seen in virtually all light conditions. The DLP technology boasts the most up-to-date refinements and the 1,000:1 contrast ratio promises fantastic depth of colour.						
4		Optoma EP753 01923 691 800 www.optoma.co.uk LAST MONTH 2	<ul style="list-style-type: none"> £2,295 ex VAT 3-year warranty First review Sep 02 	1,600	2,000	200W	£289	2.9kg	1,024x768	277x225x85mm
				The EP753 will perform well thanks to its 1,600 Ansi lumens rating, while the 600:1 contrast ratio and smooth DLP (digital light processing) technology results in fantastic image quality. It might not have the big screen capabilities of the Toshiba, but if you want fine performance this device is an excellent choice.						
5		Dell 3100MP 0870 907 3304 www.dell.co.uk LAST MONTH 3	<ul style="list-style-type: none"> £1,999 ex VAT 2-year warranty First review Nov 02 	1,000	1,000	130W	£289	1.6kg	1,024x768	176x225x56mm
				The 3100MP is attractive and light at just 1.6kg. Surprisingly for a DLP (digital light processing) model its contrast ratio is 280:1, although 1,000 Ansi lumens is adequate for all but broad daylight. The colour scheme isn't the richest in the chart, but there's enough subtlety for most applications and DVD movies.						

			Flatbed scanners	Maximum scanning area	Interface connection	Supported operating systems	True colour depth	Graphics and optical character recognition software
1		Canon CanoScan D1250U2 08705 143 723 www.canon.co.uk LAST MONTH 1	<ul style="list-style-type: none"> £75 ex VAT 1-year warranty First review Aug 02 	A4 (216x297mm)	USB 1.1 and USB 2.0	98/Me/2000/XP	48bit	ArcSoft PhotoStudio, ScanSoft OmniPage Pro
				The D1250U2 keeps the top slot due to its excellent image quality and speedy USB 2.0 interface. Benefitting from the faster data transfer rates offered by USB 2.0 it cut scanning times by over a third. The software package is generous and setup is simple. A worthy Best Buy.				
2		Umax Astra 4500 0870 906 4400 www.umax.co.uk LAST MONTH 2	<ul style="list-style-type: none"> £68 ex VAT 2-year warranty First review Aug 02 	A4 (216x297mm)	USB 1.1	98/Me/2000/XP	48bit	MGI PhotoSuite SE, TextBridge 2.0 SE
				The Astra makes the most of its older USB 1.1 technology and while it can't match the Canon's speed it proved competent elsewhere. Its good software bundle, relatively fast scanning and low price allow it to hold on to its Recommended award.				
3		Visioneer OneTouch 8700 01483 445 480 www.visioneer-europe.com LAST MONTH 3	<ul style="list-style-type: none"> £83 ex VAT 1-year warranty First review Jan 02 	A4 (216x297mm)	USB 1.1	98/Me/2000/XP	48bit	MGI PhotoSuite, Paperport Deluxe, TextBridge Pro
				Visioneer's OneTouch 8700 remains our number-three flatbed scanner. Couple the optical resolution of 1,200x4,800dpi (dots per inch) with 48bit colour depth and you get crystal-clear quality and speedy delivery. It isn't the daintiest of scanners, but its landscape shape makes it easy to house.				
4		HP Scanjet 4400 08705 474 747 www.scanjet.hp.com LAST MONTH 4	<ul style="list-style-type: none"> £78 ex VAT 1-year warranty First review Aug 02 	A4 (216x297mm)	USB 1.1 or parallel	95/98/Me/NT/2000/XP	48bit	ArcSoft PhotoImpression, HP PrecisionScan Pro
				The Scanjet may not be the fastest scanner around, but if you're prepared to wait the results won't disappoint. Scanning a colour photo at 300dpi (dots per inch) took 27 seconds, but upping the resolution to 600dpi added an extra minute. Setup was simple thanks to the quick-start sheet.				
5		Visioneer OneTouch 8920 01483 445 480 www.visioneer-europe.com LAST MONTH 5	<ul style="list-style-type: none"> £127 ex VAT 1-year warranty First review Aug 02 	A4 (216x297mm)	USB 1.1	98/Me/2000/XP	48bit	Adobe Photoshop Elements, TextBridge Pro
				If you're interested in scanning transparencies and negatives then this is the ideal model for you, as it includes a built-in transparency adapter. The software support is good and speed-wise the 8920 held its ground admirably.				

Buying advice: projectors

DLP (digital light processing) is fast taking over from LCD (liquid crystal display) as the leading projector technology. Its intricate system of revolving mirrors tends to keep out excess light more effectively than LCD, and the higher contrast ratios (often twice or three times those of contrast ratios on LCD projectors) produce stronger and darker images.

The brightness rating (measured in Ansi lumens) is a good way to rate projectors. For modestly-sized rooms with poor lighting, 1,000 Ansi lumens is enough, though 1,800 Ansi lumens will beat higher-level ambient light.

Energy conservation mode allows you to sacrifice some brightness for longer lamp life and will also be quieter. An acceptable noise level is 29-32db.

Travellers will appreciate PC Card facilities, which allow you to store your presentations on credit card-sized media and leave your PC in the office. A PC Card slot can sometimes double up as a WLAN (wireless local area network) adapter.

Look for true XGA (1,024x768) resolution support, especially if you're using the projector to display PC rather than video images.