

# TOP 10 17IN & 19IN MONITORS

		17in monitors	Tube type/technology	Viewable area	Dot pitch	Max resolution @75Hz	Dimensions (wxdxh)	Weight	
1	 <small>TESTED PC ADVISOR 2002-03</small>	<b>Mitsubishi Diamond Pro 750SB</b> 0845 121 9200 <a href="http://www.mitsubishi-monitors.com">www.mitsubishi-monitors.com</a> LAST MONTH 1	<ul style="list-style-type: none"><li>• £139 ex VAT</li><li>• 3-year onsite warranty</li><li>• First review Feb 03</li></ul>	Diamondtron Superbright/ aperture grille	16in	0.25mm	1,600x1,200	397x415x392mm	17.2kg
			The £139 Pro is a true gem. The 0.25mm dot pitch offered by the Superbright tube isn't the smallest, but makes little difference to image quality. Resolution support goes up to 1,600x1,200 and the monitor combines a rich colour palette with sharp image definition. It also scores highly for its strong text output.						
2	 <small>TESTED PC ADVISOR 2002-03</small>	<b>ViewSonic P75F+</b> 01293 643 900 <a href="http://www.viewsonic.com/uk">www.viewsonic.com/uk</a> LAST MONTH 2	<ul style="list-style-type: none"><li>• £169 ex VAT</li><li>• 3-year parts and labour warranty</li><li>• First review Feb 03</li></ul>	PerfectFlat AG/ aperture grille	16in	0.25mm	1,600x1,200	409x422x401mm	18kg
			The P75F+ is expensive – for £10 more you can buy the 19in Mitsubishi. Aided by the PerfectFlat tube, the colour scheme generates smooth images. Resolution support is good, but we'd like USB or sRGB support. The graphics quality have the edge but, with text handling taken into account, it falls behind the Best Buy.						
3	 <small>TESTED PC ADVISOR 2002-03</small>	<b>Iiyama Vision Master Pro 413</b> 01438 745 482 <a href="http://www.iiyama.co.uk">www.iiyama.co.uk</a> LAST MONTH 3	<ul style="list-style-type: none"><li>• £159 ex VAT</li><li>• 3-year onsite warranty</li><li>• First review Feb 02</li></ul>	Diamondtron M2/ aperture grille	16in	0.25mm	1,600x1,200	408x430x420mm	16.5kg
			Image quality is always a strength with Diamondtron tubes and the Iiyama's graphics output is only just down on the ViewSonic and Mitsubishi. The image might not be so focused, but the results impress. Neither will the clear text output disappoint, although again the Mitsubishi is superior.						
4	 <small>TESTED PC ADVISOR 2002-03</small>	<b>Benq G781</b> 01633 628 600 <a href="http://www.benq.co.uk">www.benq.co.uk</a> LAST MONTH 4	<ul style="list-style-type: none"><li>• £124 ex VAT</li><li>• 3-year onsite warranty</li><li>• First review Feb 03</li></ul>	FST/ shadow mask	16in	0.25mm	1,600x1,200	406x413x423mm	16.4kg
			The G781 is priced to shift. Very much a bare-bones model, the £124 screen offers value for money if you're not looking for a comprehensive feature set. However, the Benq's image quality can't fail to make an impression and if you're determined to save the pennies the G781 is worth hunting down.						
5	 <small>TESTED PC ADVISOR 2002-03</small>	<b>LG Flatron F700P</b> 01753 500 470 <a href="http://www.lge.co.uk">www.lge.co.uk</a> LAST MONTH 5	<ul style="list-style-type: none"><li>• £159 ex VAT</li><li>• 3-year onsite warranty</li><li>• First review Feb 03</li></ul>	LG Flatron/ aperture grille	16in	0.24mm	1,600x1,200	415x433x413mm	18kg
			The silver F700P may be attractive, but for image quality you should look elsewhere. Its specifications compare favourably to the competitors, although in operation the LG produces rather insipid graphics images. Its good text output may please business users, but that doesn't justify the mid-range price.						

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1	 <small>TESTED PC ADVISOR 2002-03</small>	<b>Mitsubishi Diamond Plus 93SB</b> 0845 121 9200 <a href="http://www.mitsubishi-monitors.com">www.mitsubishi-monitors.com</a> LAST MONTH 1	<ul style="list-style-type: none"><li>• £179 ex VAT</li><li>• 3-year onsite warranty</li><li>• First review Feb 03</li></ul>	Diamondtron Superbright/ aperture grille	18in	0.25mm	1,600x1,200	442x448x443mm	23kg
			Mitsubishi's emphasis is on image quality so keeps its features to the essentials, although it has included sRGB. The screen is vibrant and text output is of the highest quality. A Superbright button is included – perfect for detailed work. The most impressive aspect, though, is its bargain-basement price tag.						
2	 <small>TESTED PC ADVISOR 2002-03</small>	<b>CTX PR960F</b> 01923 810 800 <a href="http://www.ctxeuropa.com">www.ctxeuropa.com</a> LAST MONTH 2	<ul style="list-style-type: none"><li>• £275 ex VAT</li><li>• 3-year onsite warranty</li><li>• First review Apr 02</li></ul>	FD Trinitron/ aperture grille	18in	0.24mm	1,600x1,200	406x469x485mm	26kg
			The CTX boasts a 0.24mm dot pitch and resolution support that outclasses many entries, including the Best Buy. It's no slouch on features, offering sRGB compliance and a four-port USB hub. Text definition is good and you could use this screen for detailed work. The only weakness is the high price.						
3	 <small>TESTED PC ADVISOR 2002-03</small>	<b>Iiyama Vision Master Pro 454</b> 01438 745 482 <a href="http://www.iiyama.co.uk">www.iiyama.co.uk</a> LAST MONTH 3	<ul style="list-style-type: none"><li>• £259 ex VAT</li><li>• 3-year onsite warranty</li><li>• First review Mar 03</li></ul>	Diamondtron U2/ aperture grille	18in	0.24mm	2,048x1,536	450x447x450mm	23.5kg
			This new improved model now features even better resolution support. It's rich in facilities including onboard speakers, four-port USB hub and brightness boost for video applications. The graphics are vibrant and text is well-defined, although it won't make a first-class job of both simultaneously.						
4	 <small>TESTED PC ADVISOR 2002-03</small>	<b>ADI MicroScan P900</b> 01923 474 460 <a href="http://www.adiuk.com">www.adiuk.com</a> LAST MONTH 4	<ul style="list-style-type: none"><li>• £155 ex VAT</li><li>• 3-year onsite warranty</li><li>• First review Feb 03</li></ul>	FST/ shadow mask	18in	0.26mm	1,600x1,200	446x469x466mm	21kg
			ADI's £155 P900 isn't a bad choice for the undemanding user on a tight budget. Its colour scheme may be washed out and its images aren't the sharpest, but the results aren't as bad as you'd expect from 0.26mm dot pitch. A decent choice for business users who won't need strong graphics facilities.						
5	 <small>TESTED PC ADVISOR 2002-03</small>	<b>LG Flatron F900P</b> 01753 500 470 <a href="http://www.lge.co.uk">www.lge.co.uk</a> LAST MONTH 5	<ul style="list-style-type: none"><li>• £229 ex VAT</li><li>• 3-year onsite warranty</li><li>• First review Feb 03</li></ul>	LG Flatron/ aperture grille	18in	0.24mm	1,600x1,200	467x473x474mm	24.2kg
			Some of the care lavished on the LG's external looks would have been better spent redesigning the control panel or even its buttons. The unit offers strong resolution support, but the picture lacks a depth of colour. It is, however, well suited to close-up work and the 0.24mm dot pitch is impressive.						

## Buying advice: monitors

Due to the limitations of CRT (cathode ray tube) technology, not all of the image generated by the tube will be visible. In practice, this means that a 19in monitor will only be able to display an 18in image, while a 17in screen will produce an image of 16in or less. The type of tube used will be a factor in the image quality. Aperture grille technology tends to be darker, as

opposed to the lighter images generated by shadow mask FST tubes. Ideally a 19in monitor should offer a dot pitch of 0.24mm, although 0.25mm is fine. Check that the dot pitch is measured vertically. Some manufacturers quote the horizontal dot pitch, which shaves about 0.05mm from the figure.

You won't need a resolution support above 1,600x1,200 and a high refresh

rate (85Hz or higher) will produce an image without flicker.

If you need the colour scheme on your monitor to match the one used on your digital camera or printer then look for sRGB compliance. This sets down precise guidelines on the tone, saturation and brightness of each colour. However, results are always reliant to a certain degree on how good the device itself is.