

# Eonis 24" (MDRC-2224 WP)

White 24" dental display with cleanable design



Barco's Eonis® dental display perfectly answers a series of needs that many dentists will recognize: an attractive, versatile design, excellent cleanability and bright, consistent image quality. The white version features a front glass panel and is fully sealed, making it exceptionally cleanable, even with 70% alcohol cleaning agents.

## Fully cleanable design

Barco's Eonis display features toughened glass and covered cables, making the display safe to use in a dental environment. The display has a protective front glass panel and is rated IP-32 front and back, making it exceptionally cleanable to prevent contamination.

## Attractive, versatile and multi-purpose

Stylishly white with rounded corners and an integrated cable management system, the display will perfectly blend into every dental practice. The multiple mounting options further add to its smart design: it can be used with a VESA stand, on the dentist's desk, or mounted on a rotatable arm. Multiple connections are available, including extra inputs to show video content.

## Consistent image quality

Eonis displays provide crisp, high-contrast images for fast and effective viewing of dental images. To guarantee image consistency at all times, the display features a unique front sensor that automatically aligns image quality every time the display is turned on. Barco's online MediCal QAWeb service further strengthens image consistency and allows you to easily personalize your image.

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**Product specifications****Eonis 24" (MDRC-2224 WP)**

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|--|--|
| <b>Screen technology</b>                 | TFT Color LCD IPS  |
| <b>Active screen size (diagonal)</b>     | 611.3 mm (24.1")<br>518.4 mm x 324.0 mm (20.41" x 12.76") (HxV)  |
| <b>Backlight</b>                         | LED  |
| <b>Aspect ratio</b>                      | 16:10  |
| <b>Resolution</b>                        | 2MP (1920 x 1200)  |
| <b>Pixel pitch</b>                       | 0.270 mm x 0.270 mm  |
| <b>Color imaging</b>                     | Yes  |
| <b>Gray imaging</b>                      | Yes  |
| <b>Color support</b>                     | 10 bit   |
| <b>Viewing angle</b>                     | 178° (IPS)   |
| <b>Ambient Light Compensation (ALC)</b>  | Yes, preset values in OSD  |
| <b>Front sensor</b>                      | Yes  |
| <b>Maximum luminance</b>                 | 300 cd/m <sup>2</sup> typical  |
| <b>DICOM calibrated luminance</b>        | 180 cd/m <sup>2</sup>  |
| <b>Contrast ratio</b>                    | 1000:1 typical   |
| <b>Response time (Tr + Tf)</b>           | 14 ms typical  |
| <b>Housing color</b>                     | White + Silver   |
| <b>Video input signals</b>               | VGA, DisplayPort, HDMI   |
| <b>USB ports</b>                         | 1 upstream, 2 downstream   |
| <b>USB standard</b>                      | 2.0  |
| <b>Power requirements (nominal)</b>      | 100-240 V  |
| <b>Power consumption (nominal)</b>       | 40 W (less than 1.0 W in stand-by)   |
| <b>Power save mode</b>                   | Yes  |
| <b>Power management</b>                  | DPMS   |
| <b>Dot clock</b>                         | 165 MHz  |
| <b>OSD languages</b>                     | English, French, German, Spanish, Italian, Dutch, Japanese, Traditional Chinese, Simplified Chinese, Korean  |
| <b>Dimensions with stand (W x H x D)</b> | 560.4 x 533 x 166.35 mm  |
| <b>Dimensions w/o stand (W x H x D)</b>  | 560.4 x 366 x 61.72 mm   |
| <b>Dimensions packaged (W x H x D)</b>   | 481 x 273 x 761 mm   |
| <b>Net weight with stand</b>             | 9.5 kg   |
| <b>Net weight w/o stand</b>              | 6.17 kg  |
| <b>Net weight packaged with stand</b>    | 13.5 kg  |
| <b>Height adjustment range</b>           | 100 mm +/- 5.0 mm  |
| <b>Tilt</b>                              | -5° / +20°   |
| <b>Swivel</b>                            | -45° / +45°  |
| <b>Pivot</b>                             | 90°  |
| <b>Mounting standard</b>                 | VESA (100 mm)  |
| <b>Screen protection</b>                 | Protective, non-reflective glass cover   |
| <b>Certifications</b>                    | CE (MDD 93/42/EEC class I product), CE - 2004/108/EC, IEC 60601-1 (ED.3), ANSI/AAMI ES 60601-1:2005 + C1:2009, CAN/CSAC22.2 No. 60601-1-1-08:2008, DEMKO - EN 60601-1-1:2006, EN 60601-1-2:2007, CCC - GB9254-2008 + GB4943-2001 + GB17625.1-2003, KC, VCCI, FCC class B, ICES-001 Level B, FDA Class I device, RoHS |

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| <b>Supplied accessories</b>            | User Guide<br>Cable routing strap<br>Video cables (1 x VGA + 1 x HDMI + 1 x DP)<br>Main cables (UK, European (CEBEC/KEMA) or USA (UL/ CSA; adaptor plug NEMA 5-15P) or Chinese (CCC))<br>USB 2.0 cable<br>This adapter(s) is a forming part of the medical device.(Manufacturer: BridgePower Corp.; model:BPM060S12F03; Input:100-240 V AC, 50-60 Hz, 1.5 A; Output: +12V DC ( ), 5.0 A) |
| <b>QA software</b>                     | QAWeb & QAWeb Private Practice   |
| <b>Warranty</b>                        | 3 years  |
| <b>Operating temperature</b>           | +10°C / +35°C  |
| <b>Storage - transport temperature</b> | -20°C / +60°C  |
| <b>Operating humidity</b>              | 10% - 90% (non condensing)   |
| <b>Storage - transport humidity</b>    | 5% - 90% (non-condensing) at 39 deg ambient  |
| <b>Operating altitude</b>              | 3000m  |
| <b>Storage - transport altitude</b>    | 5500m  |
| <b>Operating pressure</b>              | 70 kPa - 106 kPa   |
| <b>Storage - transport pressure</b>    | 50 kPa - 106 kPa   |