

Eonis Color 8MP (MDRC-8132) MKII

The clinical review display that brings your team together



- **Image quality:** 32" display with 8MP resolution, front consistency sensor, pathology setting, and sRGB color calibration
- **Virtual collaboration:** Integrated camera, built-in speaker and microphone, teleconsultation ready
- **Connectivity:** USB-C docking, KVM switching, picture-by-picture, built-in LAN port, and daisy chaining
- **Asset management:** QAWeb Enterprise for centralized QA and asset management
- **Sustainability:** 3-year warranty and A+ ecoscore

Barco's Eonis Color 8MP helps clinical teams collaborate faster and more effectively across wards, disciplines, and locations – without adding complexity to the workstation setup. With a large 32-inch screen, 8MP resolution, USB-C docking, built-in conferencing hardware, and centralized quality management, it brings reliable image review and virtual collaboration together in one streamlined display.

Consistent image quality for clinical review

With the highest resolution in Barco's Eonis range, the Eonis Color 8MP gives clinicians the space to review medical images, patient records, and clinical information side by side. Its integrated front consistency sensor automatically adjusts and maintains image consistency when the display is powered on. A dedicated pathology setting with sRGB color calibration supports accurate representation of whole slide images in pathology workflows. Through QAWeb Enterprise, image quality can also be managed centrally across displays, helping healthcare organizations maintain consistent review conditions with less manual intervention..

One cable, full workstation connectivity

USB-C Alt Mode turns the Eonis Color 8MP into a central docking hub for the clinical workstation. Video, data, power, and network connectivity can all run through a single cable, reducing cable clutter at the desk or bedside.

The display supports KVM switching, allowing users to switch between up to three connected input devices, such as PACS workstations or laptops, directly from the display. Picture-by-picture functionality makes it possible to divide the 8MP screen into two independent 4MP zones or view two workstations side by side for direct comparison. A built-in LAN port and daisy chaining further simplify workstation setup and connectivity.



Virtual collaboration built in

Clinical teams increasingly need to discuss imaging findings, patient records, and treatment decisions remotely or across departments. The Eonis Color 8MP includes an integrated camera, speaker, and microphone, making it ready for virtual case reviews, multidisciplinary team meetings, and teleconsultations without the need for extra devices.

Centralized quality assurance and asset management

For IT and PACS administrators, the Eonis Color 8MP supports centralized quality assurance and remote asset management through QAWeb Enterprise. Image quality, calibration, and compliance can be managed across the organization from a central platform, helping reduce on-site interventions and simplify display fleet management.

Built to last, built responsibly

The Eonis Color 8MP is designed for long-term value, with a 3-year warranty and Barco's A+ ecoscore. Sustainability features include automatic standby mode, recycled plastic content, halogen-free components, recyclable packaging, and unpainted housing to support easier recycling.

Product specifications**EONIS COLOR 8MP (MDRC-8132) MKII****General Specifications**

Screen technology	IPS
Active screen size (diagonal)	812.80 mm (32.0")
Active screen size (H x V)	708.48 x 398.52 mm (27.9 x 15.7")
Aspect ratio (H:V)	16:9
Resolution	Native 8MP (3840 x 2160 pixels @ 60 Hz) Configurable to 2x 4MP+ (1920 x 2160 pixels @ 60 Hz)
Pixel pitch	0.1845 mm
Color imaging	Yes
Gray imaging	Yes
Bit depth	30 Bit
Viewing angle (H, V)	178°
Pathology Setting	Yes
Color gamut NTSC	80.3%
Color gamut sRGB	112%
sRGB Delta E2000 (typical)	< 3 (average) < 5 (maximum)
Ambient light presets	Yes, reading room selection
Front sensor	Yes, Front Consistency Sensor
Maximum luminance (panel typical)	500 cd/m ²
DICOM calibrated luminance	300 cd/m ²
Contrast ratio (panel typical)	1000:1
Response time ((Tr + Tf)/2) (typical)	9.8 ms
Housing color	Black (RAL 9004) / White (RAL 9003)
Video input signals	2x DisplayPort 1.4 1x USB-C 3.2 DisplayPort Alt Mode
Video output signals	1x DisplayPort 1.4 (MST)
USB ports	Upstream: 2x USB-B 2.0 1x USB-C 3.2 (DisplayPort Alt Mode, Power Delivery up to 75W) Downstream: 2x USB-A 2.0 1x USB-A 2.0 (side of the display) 1x USB-C 2.0 (side of the display, Power Delivery up to 7.5W)
LAN/RJ45 ports	1x 1GbE
Power rating	DC input: 24VDC, 8.3A USB-C output: 5VDC 3A, 9VDC 5A, 15VDC 5A, 20V 3.75A USB-C output (side): 5VDC 1.5A
Power requirements	This device shall only be powered by the medical approved power supply of Adapter Tech., type ATM200T-P240: ■ Input: 100-240 Vac, 50-60 Hz, 2.5-0.9 A ■ Output: 24 Vdc, 8.3 A
Power consumption	45.5 W (nominal) < 0.35 W (hibernate) < 0.35 W (switched off)
Dimensions with stand (W x H x D)	743 x 518~618 x 238 mm
Dimensions w/o stand (W x H x D)	743 x 459 x 63 mm
Dimensions packaged (W x H x D)	898 x 752 x 358 mm
Net weight with stand	13 kg
Net weight w/o stand	8.4 kg
Net weight packaged	21 kg (without optional accessories)
Tilt	-5° to +25°
Swivel	-30° to +30°
Pivot	N/A
Height adjustment range	100 mm
Mounting standard	VESA (100 mm)
Screen protection	N/A
Recommended modalities	All digital images, except digital mammography.

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Certifications	CE (Medical Device) FDA Class I, 510(k) exempt CCC (China) (Pending), KC (Korea) (Pending), INMETRO (Brazil) (Pending), BIS (India) (Pending), EAC (Russia) (Pending), UKCA (UK) (Pending) Safety specific: IEC 62368-1:2018 EN IEC 62368-1:2020+A11:2020 IEC 60601-1:2005+A1:2012+A2:2020 EN 60601-1:2006+A1:2013+A12:2014+A2:2021 AAMI ES 60601-1:2005+A1:2012+A2:2021 CAN/CSA C22.2 No. 60601-1:2014 (Reaffirmed 2022) EMI specific: IEC 60601-1-2:2014+A1:2020 (Ed.4.1) EN 60601-1-2:2015+A1:2021 (Ed.4.1) FCC part 15 Class B ICES-001 Level B VCCI (Japan) (Pending) Environmental: EU RoHS, China RoHS, REACH, Canada Health, WEEE, Packaging Directive
Supplied accessories	User Guide Quick Install Sheet Documentation disc System sheet Video cables Mains cables USB cable External power supply
Optional accessories	Display controller Touch pad
QA software	QAWeb Enterprise
Warranty	3 years
Operating temperature	0 °C to 35 °C (20 °C to 30 °C within specs)
Storage temperature	-20 °C to +60 °C
Operating humidity	8 % to 80 % (non-condensing)
Storage humidity	5 % to 85 % (non-condensing)
Operating pressure	70 kPa
Storage pressure	50 to 106 kPa

Last updated: 19 Jun 2026

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