

XDM and XDX

RGB laser projectors for extra-ordinary color spectacles
with native 4K resolution



The X-factor

A large, stylized hand is shown from the side, holding a pile of vibrant, multi-colored powder (red, green, blue, yellow) in its palm. The background is a dark, colorful nebula or starburst pattern.

From image quality to operational efficiency.
The XDM and XDX exceed expectations in every sense!
They are exceptional. Extra-ordinary. Exciting. Excelling.
They are the X-factor to your project.



Hollywood-worthy visuals

Building on our expertise with cinema projectors, the XDM and XDX will bring Hollywood-worthy experiences to theme parks and other visitor attractions.

Create immersive projections with extraordinary **RGB laser color** performances, and exceptional **native 4K resolution**. And be amazed by your own content, boosted with striking colors and high uniformity.

XDM and XDX are 3D-ready and offer crisper, more **true-to-life images** and with **greater impact**, to create memorable moments for all your visitors and audiences.

Consistent reliability

The high-brightness, 4K native resolution and RGB laser light source make the XDM and XDX the most cutting-edge projectors out there.

Enjoy consistent reliability thanks to the implementation of high-quality lasers with an incredible **40,000 hours of lifetime**. These superior lasers, combined with our **CLO features** and Barco **Active Image Management™** technology, guarantee consistently sharp images with high uniformity over your projector lifetime.

And real RGB laser projectors don't have to be noisy. The XDM and XDX superior **cooling design and air filtration lower the noise level to only 50dB**.

Next-level modularity

Designed with the know-how to match the demanding performance and service criteria in the cinema industry, the XDM and XDX projectors keep in mind the priorities of the owners and operators. They provide high performances over a long period of time with **minimal maintenance** required. A cost-effective and durable solution with a **low TCO and a high ROI**.

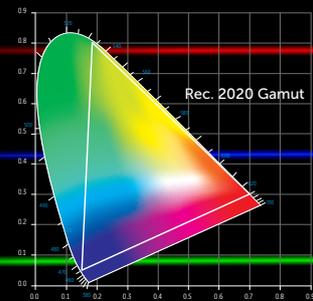
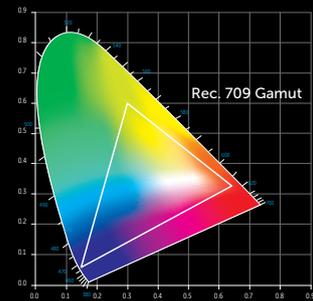
And if the unthinkable should happen, the projectors have easy-to-replace **field-swappable** modules. Even within the RGB laser light source itself, individual 'laser plates' can be easily exchanged by your own crew, with minimal training. Maintenance is both straight-forward and **cost-effective**.

Extra-ordinary colors

The light source in an **RGB projector**, also called direct laser projectors, contains individual red, green and blue lasers. By combining different proportions of these three lasers, the projector can reproduce millions of different shades and hues. Barco's RGB XDM projector uses the smaller **new 4K 0.98" TRP chipset**, resulting in a more compact and cost-effective solution compared to its predecessors. The XDX projector uses the **4K 1.38"** chipset which allows for higher brightness.

By design, RGB is a wide color gamut light source. RGB projectors can go to the single bandwidth gamut called **Rec. 2020**, which is currently the widest color space available. For comparison, it enables at least six times more color possibilities than the accessible color range for a laser phosphor projector.

In addition, with Barco's **patent-pending Colorgenic™** technique, the XDM and XDX projectors maintain their high brightness levels when showing >98% of Rec. 2020 content. No compromises.



Frames

Both projectors are delivered in a **rugged rigging frame** which makes them **easy to handle and install**. Furthermore, the frames offer protection and rigidity during the lifetime of the product.

Lenses

The XDM is available with two different lens mounts and can utilize both the **high-quality TLD+ and XLD glass lenses**.

The XDX uses the XLD lens range. It includes both **high-brightness and high-contrast variants**. The high contrast range effectively doubles your contrast ratio for a modest 15% reduction in brightness.

Barco Projector Management Suite

Barco's unique **subscription-based IoT solution** allows you to get the most out of your multi-channel installation! Keep your projectors running and extend the equipment lifetimes thanks to **real-time performance insights** enabling **proactive maintenance** and **efficient uptime management**. The data is accessible anywhere, anytime, and can easily be combined with your own tools and current processes.

The basis Monitor features are automatically embedded in XDM and XDX projectors for the first two years of usage. Get in touch for more information.



XDM-4K25

XDX-4K40

Light source	RGB laser	RGB laser
Native brightness	23,500 lumens (typical)	40,000 lumens (typical)
Digital MicroMirror Device™	3x 0.98" DC4K TRP	3x 1.38" DC4K
Resolution	native 4K: 4096 x 2160	native 4K: 4096 x 2160
Long-term brightness stability	40,000 hrs @ average usage conditions	40,000 hrs @ average usage conditions
Power consumption	2.4kW (3W in Eco mode)	3.9kW (3W in Eco mode)

Extra-ordinary experiences

The XDM and XDX projectors are ideally suited for fixed set-ups where content accuracy, high resolution and the extra RGB punch are needed to showcase the specialized Rec. 2020 content. For planetariums, dark rides and immersive museum experiences, the XDM and XDX create those WOW moments that keep visitors coming back for more.



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M00965-R00-0821-PB August 2021

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ENABLING BRIGHT OUTCOMES

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