

LED XT series

Buyer's Guide

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The XT series in a nutshell

Mastering the art of LED with spectacular visual performance, unrivaled reliability and great operating flexibility.

The XT series further expands Barco's indoor high-resolution LED tiles portfolio. The 27-inch tiles with a pixel-pitch ranging from 0.9mm up to 2.5mm deliver superior seamless images, and the series includes all necessary features to maximize the reliability of your LED wall.

Barco's Infinipix™ ensures constant image quality and guarantees perfect color and grey scale levels for all ambient lighting conditions. What's more, the unique LED processing platform provides all necessary features to maximize the uptime of your installation, including integrated dual data redundancy.

Designed for wall mounting, the XT series LED tiles are fully accessible from front and back – with only a shallow depth. Thanks to the improved robustness and the Assisted Module Extraction, the tiles can be easily removed, for maintenance or replacement needs, with a reduced risk of pixel damage.



Fit for all applications

Pick the size that best suits your application. Barco's XT series is specifically designed to offer premium quality to a broad audience and provide a reliable solution for a wider range of indoor LED applications.

Experience centers



The XT series allows for truly creative displays and even spectacular curved setups. Wow visitors and impress shareholders at all times with consistent image quality in terms of color accuracy.

Control rooms



In 24/7 mission-critical applications, where reliability and flexible dimming capabilities are of utmost importance, Barco's seamless XT series is a safe and future-proof choice.

Themed entertainment



Our LED displays excel in reliability and serviceability, maximizing the satisfaction of not only your visitors, but also your operating crew. A worry-free process for everyone involved.

Television and movie studios



With the ultimate flexibility to recalibrate colors for specific camera requirements and guaranteed smooth video synchronization supporting your livestream, our XT series display walls create an experience your viewers will never forget.

Boardrooms



As the XT series operates in absolute silence and matches the full HD resolution of PowerPoint presentations, your executives can fully concentrate without being distracted. It's the ideal solution for larger boardrooms, even in full daylight.

Simulation and design



XT series opens doors for design centers with a space-saving solution, and enables them to present new 3D designs more precisely with perfect colors and contrast levels even in bright environments.



Minimum Viewing Distance (MVD)

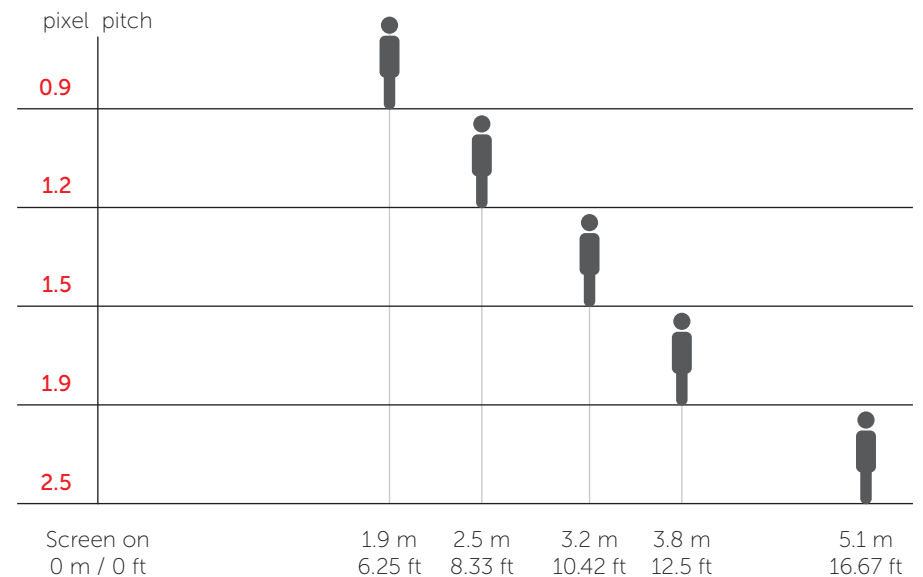
- Relates to a single pixel. The minimum viewing distance is the distance at which all LED dyes in a single pixel merge into a single colored panel.

Optimal Viewing Distance (OVD)

- Relates to LED characteristics and pitch placement. OVD is the distance at which the viewer can no longer distinguish individual pixels
- Rule of thumb is $OVD \text{ (in cm)} = 2 * \text{commercial pitch (in mm)}$

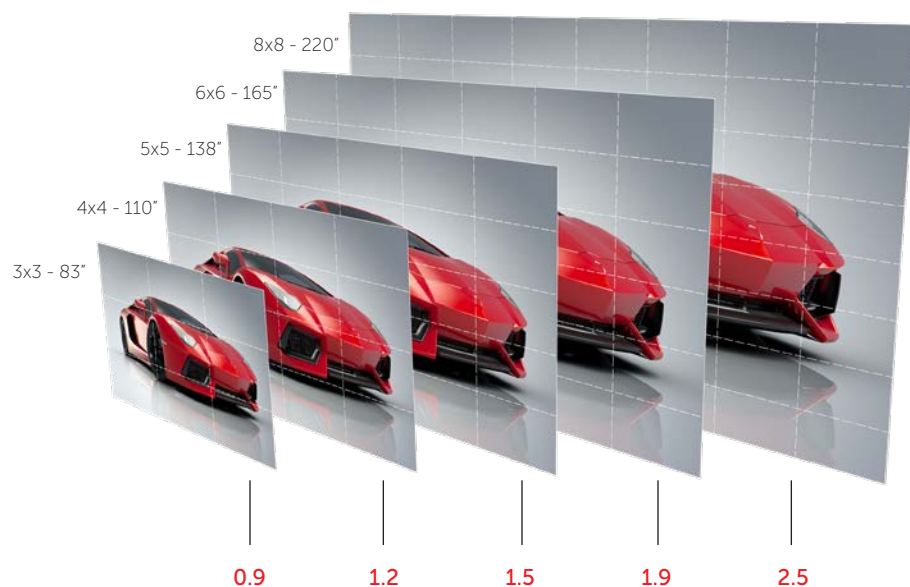
Maximum Reading Distance (MRD)

- Relates to the pixel pitch. MRD is defined as the maximum distance at which the minimum character size is still readable. Since a character is at least 7 pixels in height, MRD is the subjective distance at which the human eye can distinguish letters.



Building LED walls with XT series

With each tile having 16:9 aspect ratio, it is natural to create native Full HD or UHD screens. This allows displaying video in the most common formats in full, without distortion or unused canvas.



Full HD	# tiles horizontal	3	4	5	6	8
	# tiles vertical	3	4	5	6	8
Ultra HD (4K)	# tiles horizontal	6	8	10	12	16
	# tiles vertical	6	8	10	12	16



Tile dimensions 24.01 x 13.51 x 2.79 inch
609.92 x 343.08 x 71 mm

Tile weight With single PSU: 7.5 kg or 16.54 lbs

LED XT series 'mechanics first' install

1. Begin by installing the tile frame and power supply*
2. Next, begin trim work and room finishing
3. Finally, install the LED modules*

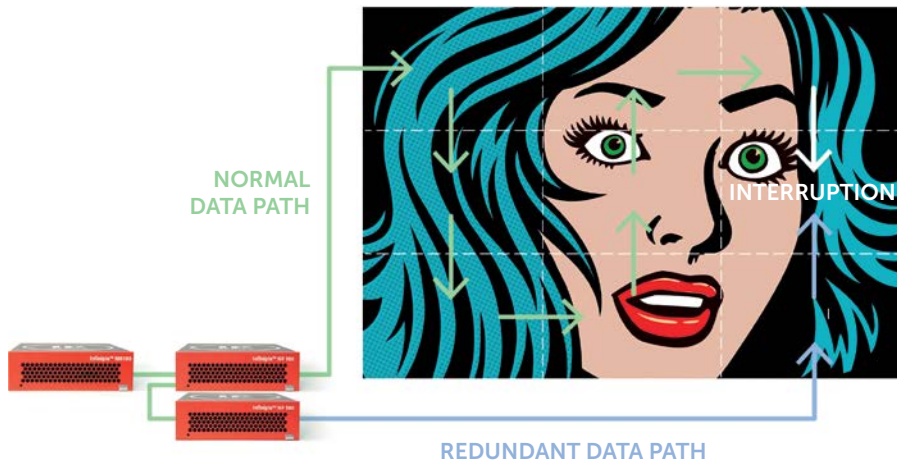
By using this model, you reduce the possibility of pixel damage.

* LED frames and LED modules are shipped separately

Barco Infinipix™

Why Barco LED? Infinipix™ makes the difference!

- Color accuracy
- Low latency
- Auto calibration
- Video synchronization
- Image integrity at all brightness levels
- Secured data flow



Barco's LED processing provides a redundant data path that travels in the direction opposite to the data flow. When this back-up data flow takes over, an uninterrupted image is guaranteed while you fix the failure.

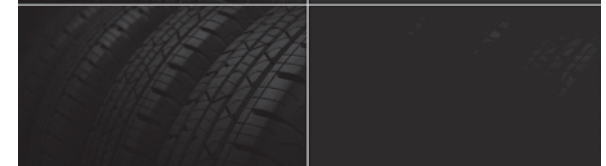
Barco Infinipix™

Competition

100 % brightness



10 % brightness



100 % brightness



10 % brightness



The optimized dimming technology of Barco Infinipix™ makes sure the LED display shows the same color tone, color bit depth, grayscale and level of detail when operating in dimmed mode as it does at full brightness.

Warranty and EssentialCare

A unique service package tailored to your LED needs!

Up to 7 years complete peace of-mind with guaranteed display uniformity and fast resolution

1. Run your LED display with full confidence and complete peace-of-mind with up to 7 years of dedicated service and support for your system.
2. During the entire contract period, servicing is exclusively done with fully batch compatible replacement modules that match the specs of your original tiles.
3. Have spare LED tiles at your disposal to cover potential handling damages during the installation. The EssentialCare contract also gives you access to onsite spare parts for immediate remediation.
4. Benefit from priority support with helpdesk responses to your tickets within four business hours, and spare parts assured to leave the next business day per express shipment.

	Standard warranty	EssentialCare
General		
Duration	3 years product warranty	Up to 7 years warranty*
Support services		
E-portal access	Yes	Yes
Helpdesk access	Barco Partner/integrator	Barco Partner/integrator
Helpdesk availability	Business hours	Business hours (priority handling)
Parts coverage		
Replacement model	Return to factory for repair	Advance swap
Onsite spare LED modules	No	Yes
Shipment SLA	Next Business Day economy shipment	Next Business Day express shipment
Spare LED modules during installation	No	Yes
Software		
Application software updates (Need internet connection)	Yes	Yes
Firmware updates	Yes	Yes

* XT-E max. 5 years

Barco certified installation partner program



Guided installation

Choose from one of Barco's trained and certified installation partners to help install your project.



One key contact for you

One point of contact assigned to your project, so you get prompt answers when you need them and have direct access to your project team.



Find a partner

EMEA coverage

We have Barco certified partners all around the world.
Wherever you are, we've got your back.

For more info, reach out to our sales team:

insidesales.emea@barco.com

Phone: +32 56 23 33 30

Don't hesitate to reach out, if you are interested to become a
Barco LED installation partner yourself.

XT series: defining the next chapter in the history of visualization. Want to know more?
Go to www.barco.com/xtseries or contact your local sales representative.

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Due to continued innovation, information and technical specifications are subject to change without prior notice.
Please check www.barco.com for the latest specifications.

M00944-R00-0720-PB July 2020

ENABLING BRIGHT OUTCOMES

