

Galaxy NW series

WUXGA, network-centric, three-chip DLP, 3D stereo projectors



Barco's Galaxy NW series consists of the NW-7 and NW-12 active 3D stereo projectors with full WUXGA (1920x1200) resolution. The outstanding image quality, thanks to the three-chip DLP technology and a bright 12,000 lumens (Galaxy NW-12) or 7,000 lumens (Galaxy NW-7) light output, is matched only by their ease of use and flexibility: in a familiar Windows desktop, you can display any mix of 2D and 3D stereo sources. The Galaxy NW series is the definitive choice for any collaborative single- or multi-projector display setup. The projectors render your display system more stable, more durable and above all, offer superior image quality.

BARCO

Visibly yours

Pixel-perfect image quality

Thanks to the three-chip DLP technology, Barco's Galaxy NW series can claim deep, saturated color quality and a high degree of image realism. **WUXGA** resolution also gives you the chance to view all aspects of your information sources in great detail. In addition, WUXGA resolution is fully compatible with high-end laptops, or allows HD videoconferencing to run unobstructed by tickers, subtitles or your Windows task bar.

The Galaxy NW series' wide horizontal and vertical lens shift options further render it a perfect choice for both front and rear projection. The projectors' built-in geometry correction and blending feature are vastly superior to those of regular three-chip DLP systems, and help resulting in an **exceptional image quality**.

The NW-series can run in active stereo mode, using only one projector to generate both a left and right image simultaneous while retaining exceedingly high levels of color quality. By requiring only one projector per channel, a visualization system can attain a better cost-efficiency.

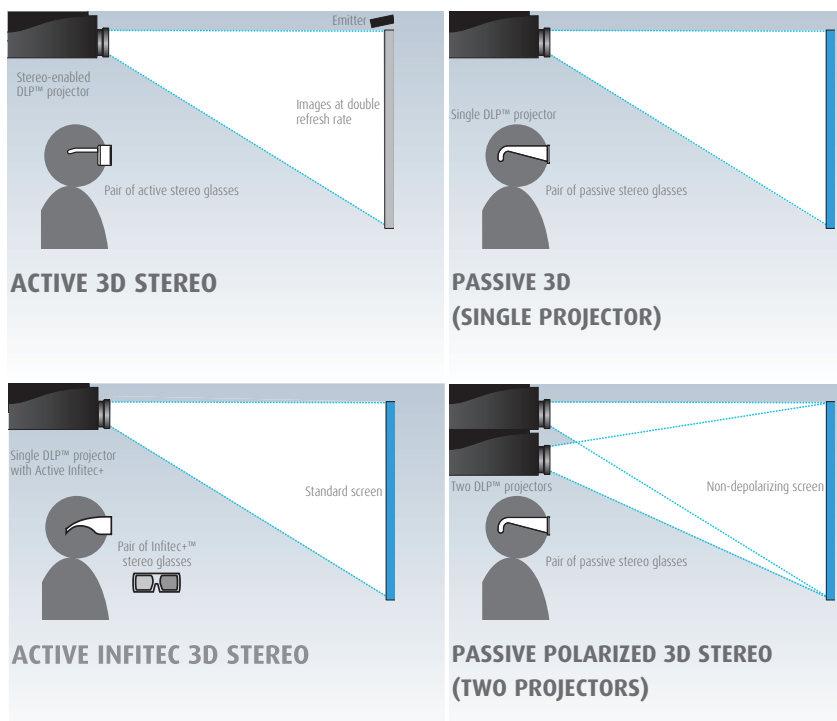
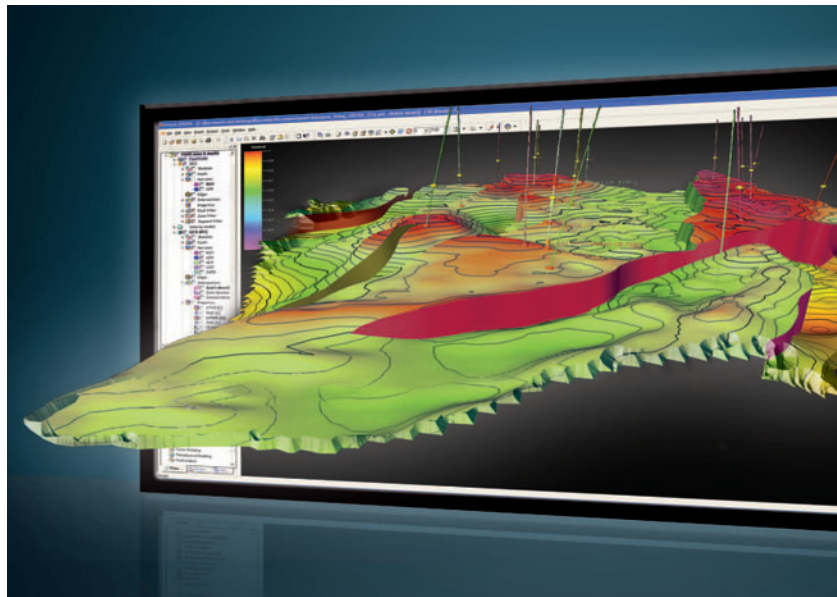
New in this projector range is the single-projector passive stereo support. The passive to active conversion of the NW-series merges two DVI input signals into a single active output, supporting both Infitec stereo glasses and active shutter glasses.

The NW series has integrated optional **active Infitec** filters. This Barco-patented stereo technology has uncompromised image quality, regardless of the type of screen you use. In addition, active Infitec makes use of considerably more affordable passive glasses.

The NW series also supports passive **polarized** stereo, if your visualization center is to be used by large groups. Passive stereo setups, where two projectors generate one stereo image, also retain high levels of brightness, which is ideal for larger rooms.

Mastery of 3D stereo imaging

The Galaxy NW series' three-chip DLP platform is our customers' preferred platform for stereoscopic projection. The exact 3D rendering that Barco's Galaxy NW series offers is vital to applications such as **automotive design** review, analysis of large **geophysical** data sets, **scientific research** and many others. The Galaxy NW series supports any current type of stereoscopic technology, depending on the customer's wishes:



Reducing your total cost of ownership

The price of a projection system is more than just its purchase: servicing, maintenance, peripherals and learning curves should also be taken into account, and often add up to a much higher cost. Barco's Galaxy NW series greatly reduces the total cost of ownership on many levels:

• **You save time**, because you don't need to learn how to work with a new interface and connect various sources over and over again. You simply use Windows and the XDS Control Center software.



• **Reduce maintenance costs.** Your projection system is practically maintenance-free due to its sealed optical engine, and its centralized control and maintenance functionalities eliminate many manual check-up routines.

• **You save money**, because you don't need to buy remote controls or matrix switchers. Instead, you use keyboard and mouse, and display sources simultaneously on one screen, in fully reconfigurable windows.

• **Improved reliability.** Thanks to its liquid cooling and its top-of-the-line xenon lamp, the Galaxy NW series boasts a significantly longer system lifetime compared to other three-chip DLP systems.

Net TCO of a Barco system

Single-projector setup		Multi-projector setup	
		Maintenance	
Maintenance		learning curve	Maintenance
learning curve	Maintenance		learning curve
	learning curve		
Integration	Integration	Integration	Integration
Projector purchase	Projector purchase	Projector purchase	Projector purchase
Traditional system	Barco system	Traditional system	Barco system



Applications

- Geophysical data analysis
- Avionic and automotive design and review
- Scientific research and data management
- Virtual construction and engineering



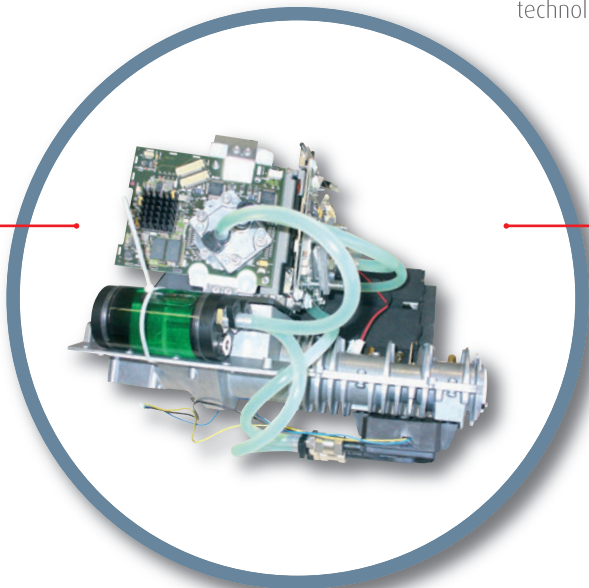
Designed for multi-projector systems



Barco's Galaxy NW series works just as smoothly in a single-projector setup as well as in a multi-projector system, in front as well as rear projection. Your systems will always have the **same look and feel**, thanks to Barco's XDS Control Center software, that lets you control several sources simultaneously in a familiar Windows user interface.

Combined with our own variety of **screen technologies** and **mechanical structures**, there is no type of system, whether flat or curved-screen, that the Galaxy NW series can't handle. To guarantee a pristine image at all times, Barco has equipped the Galaxy NW series with a number of innovative technologies:

- **Edge blending** technology creates one continuous image across the entire screen, without blurry overlap zones. Thanks to Barco's new **alpha and beta plane technology**, electronic blend zones will be close to invisible. In addition, Barco is the only company that has mastered perfect optical blending.
- **DynaColor** and **linked CLO** (constant light output) match color or brightness differences across channels to create one constant color and light output for the entire image. A unique advantage of Barco's **new and improved** DynaColor is that it uses alignment points for **both** primary and secondary colors, which puts it in pole position among comparable technologies.
- **Bi-cubical warping** (geometry correction) ensures that an image is projected correctly, with an extremely high level of accuracy (up to 33 by 33 control points), even across curved, non-flat surfaces, to guarantee a natural view free of distortions.



Revolutionary design

The aesthetically designed Galaxy NW series uses a chassis designed to attain some of the **lowest noise levels in its class**, averaging well under 49dB. The **liquid-cooled** optical engine's reliability is further increased by being **fully sealed**, which means no dust can enter and cause degradation in contrast and black levels. Your image quality also remains stable over time, thanks to the NW series' rock solid lens holder. This grants the Galaxy NW series a system lifetime that is substantially longer than that of similar three-chip DLP systems, a platform already noted for its great reliability.

The bottom line

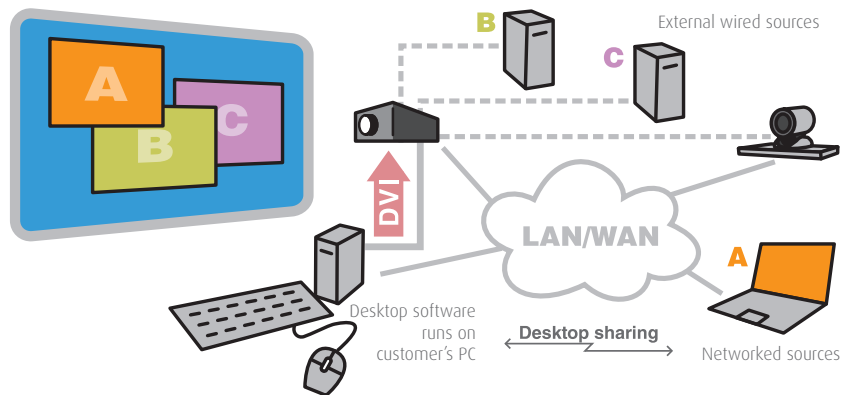
The Galaxy NW series' unique combination of liquid cooling, mechanical stability and improved multi-channel features lead to a very stable, reliable multi-projector display system unrivaled in the industry.

Efficient collaboration, faster decision-making

Whether you are in the oil and gas sector, the automotive industry, virtual engineering of scientific research, Barco's Galaxy NW series will render your collaborative efforts faster and more efficient, leading to improved decision-making, thanks to the XDS Control Center software suite. Barco's XDS Control Center runs from your dedicated company computer that is connected to the projector, and requires **no additional display management systems in case you use a single- or a two-projector setup.**

Familiar Windows interface

On a large-screen Windows desktop, you can **simultaneously view and control** any mix of 2D and 3D stereo sources. With just mouse and keyboard, you can select a source, move it, resize its application window or make it overlap with another source. This includes sources directly connected to the Galaxy NW projector as well as networked content and remote desktops.



Real-time distance collaboration

With the Galaxy NW series, you can't just display any local or networked source, you can **directly take control** of it as well – all with the same mouse and keyboard. You can combine your sources with live video feeds or **HD videoconferencing**, so that you can strongly reduce travel costs, or work in a slow turn-based environment. Your content will not only be visible and shared between locations, it will also be encrypted and **safeguarded** against eavesdropping.

Centralized control and diagnostics

The Galaxy NW series presents a great asset for your tech support staff, as it allows easy, centralized control and diagnostics over the network, including **remote startup and shutdown**. The Galaxy NW series enables your staff to check the projector's runtime, its lamp lifetime and the status of connected sources. It also sends **automated e-mail alerts** to your AV/IT-personnel in case of lamp problems.



Galaxy NW series technical specifications

Display capabilities	Light output	12,000 lumens(NW-12) ; 7,000 lumens (NW-7)	
	Contrast	up to 2,000:1	
	Resolution	WUXGA (1,920x1,200)	
	Chip technology	Sealed and liquid cooled three-chip DLP	
	Lamps	Lamp	2 kW Xenon (NW-12); 1.5 kW Xenon (NW-7)
		Lamp warranty	750 hrs warranted, max. 1,000 hrs (NW-12) 1,000 hrs warranted (NW-7)
Weight		70 kg (154.2 lbs) net - 85 kg (187.4 lbs) shipping weight	
Dimensions	Height - width - length	345 / 590 / 913 mm 13.58" / 23.22" / 35.94"	
	Available zoom lenses		
		TLD+ (1.5-2.0:1) R9862010 TLD+ (2.0-2.8:1) R9862020 TLD+ (2.8-4.5:1) R9862030 TLD+ (4.5-7.5:1) R9862040	
Lenses	Available fixed focal lenses		
		TLD+ (0.73:1) R9862000 TLD+ (1.2:1) R9840775	
	Lens shift range		
		Horizontal shift up to +/- 65% Vertical shift up to +/- 110%	
	Features	Special features	Standard active and polarized stereo, optional passive or active Infitec Source and PiP operation through Windows OS Standard full geometry correction Sealed, liquid-cooled engine Multi-channel features

Inputs and outputs	Standard inputs	Twin dual link DVI 3 stereo sync inputs (mini-DIN)	
	Optional inputs (2 free layers)	QXGA RGBHV input DVI/D15 input (HDCP) Extra twin dual link DVI	
	Communication ports	RS232 (on D9) 10/100 Mb/s Ethernet (on RJ45)	
	Compatibility	Data	Analog sources with a pixel clock of up to 270 MHz DVI sources with a pixel clock of up to 300 MHz
		Safety standards	ETL60950 and EN60950 CE compliant CCC compliant
	Power	AC power	200 - 240 VAC/50-60 Hz
Max. power consumption / dissipation		2,800 Watt / 9,560 BTU	
Order info		Galaxy NW-7 R9040406 Galaxy NW-12 R9040411 New 1.5 kW lamp R9843085 New 2kW lamp R9843087 Refurbished lamp NW-7 R9843095 Refurbished lamp NW-12 R9843097 QXGA RGBHV input R9843020 DVI/D15 input (HDCP) R9843045 Twin dual DVI R9843041	

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DLP™ technology by Texas Instruments offers crystal clear images with superior quality. DLP is a trademark of Texas Instruments.

The information and data given are typical for the equipment described. However any individual item is subject to change without any notice.

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