

Solaris LC40



Barco's 40" LCD display



The SOLARIS LC40 is a 40" LCD display solution specifically designed for use in dedicated professional markets. With the SOLARIS LC40, Barco achieves a new level in display performance. Featuring an elegant design, superior image quality and extended functionality, the SOLARIS is the system of choice for either smaller control room applications where space is an issue, as monitor replacement products or in combination with large-screen solutions. In addition, the SOLARIS LC40 features full interoperability with Barco Control Rooms' range of controllers or can be used as a stand-alone display coming with an integrated PC.

BARCO

Visibly yours

LCD - Crystal clear images

Renowned for its ultimate picture integrity and low cost of ownership, Barco's SOLARIS LC40 offers many benefits not found in more commonly used technologies, including:

- No burn-in effect
- High brightness
- High contrast, even in higher ambient light environments
- Ultra-high native resolution
- Digital inputs, including SDI, DVI and HD-SDI
- Low power consumption
- Long lifetime
- Flexible integrated display system with network capability
- Stable image on camera

Stylish, elegant design

Safe, durable and designed for optimal integration in any environment, the SOLARIS LC40 leaves you the option to customize the display to your specific needs.

- **Compact, elegant design**
With its compact design, stylish neutral colors and optional extras that allow you to customize the display, the SOLARIS LC40 is ideal for integration in even the most demanding environments.
- **Rugged, solid design**
The durable housing makes the SOLARIS LC40 a rugged, sturdy display solution for public or high-risk areas. Optional safety components such as a protective glass front plate are available on request.
- **Optimal modularity**
With all the necessary components and the PC discreetly stowed inside the display cabinet, the SOLARIS LC40 offers optimal integration in any environment. By carefully integrating all modular elements such as inputs and cables in the housing, the SOLARIS LC40 offers safety and elegance wherever installed.

OPTIONAL COMPACT PC SPECIFICATIONS

A fully functional PC with a compact design and powerful performance capacities can be inserted into the SOLARIS LC40 housing. Integration in the durable housing of the SOLARIS LC40 ensures a compact and safe integrated display solution.

Main specifications	
CPU	PIII, 1.26GHZ
Memory	512Mb RAM
Storage Capacity	40GB
Connectivity	
Connections to LCD	Through docking
Networking	Onboard 10/100 networking capability Free PCMCIA Slot for wireless networking
Physical Characteristics	
Dimensions	234 x 160 x 52mm (9.2 x 6.3 x 2.1")



Extended functionality

The SOLARIS LC40 offers you more than just an LCD display. With a wide variety of inputs, loop-through and network capabilities, as well as the option to use the display in both portrait and landscape mode, the SOLARIS LC40 offers a complete, ready-to-use display system.

- **Wide variety of inputs**
Adhering to the most stringent professional standards, the SOLARIS LC40 supports a wide variety of inputs (including SDI and HD-SDI) and a multitude of content formats.
- **Image quality**
With its ultimate picture integrity, the SOLARIS LC40 offers crisp, sharp data and video images through its native 1280 x 768 resolution.
- **Loop-through & network capabilities**
The SOLARIS LC40 can be used as a stand-alone display or as part of a network of displays. Ideal as information display system on an exhibition booth or as part of a network of displays in a retail shop or visitor center, the SOLARIS LC40 can be equipped with fully functional PC, as well as content management and scheduling software, enabling you to display the right message, at the right time, at the right place.
- **Control & diagnostics**
With extensive control and diagnostic functions, the SOLARIS LC40 display and its content can easily be controlled – both on-site in real-time or off-site, at the touch of a button.
- **Rotator option and flexible mounting options**
By means of the optional rotator module, the SOLARIS LC40's content can be rotated – in real time - by 90 degrees. This feature supports presentations in portrait mode, which is especially useful in displaying animated, compressed video formats. No more reformatting and complicated adjustment of settings are necessary during the content production process to match presentations in portrait mode.

The ultimate flexible display solution

Barco's SOLARIS LC40 is the ideal presentation and information display system for rental or digital signage applications. Fully modular and customizable in both look and feel as well as functionality, the display can be easily integrated in retail or entertainment environments, on exhibition booths, at transit locations and many more.

- **Interchangeable input modules**

The SOLARIS LC40's interchangeable input modules offer you flexibility and diversity in the sources shown on the display. Show data and video content simultaneously. Connect, video, audio, HD-SDI sources and more... Display your message the way you want to!

- **Protective glass cover**

Ideal for use in public areas, the protective glass front cover offers an optional safety mechanism to help protect your SOLARIS LC40.

- **Optional Audio**

The SOLARIS LC40 allows for an optional audio input module and speakers to be connected to the display for a complete audio-visual experience.

- **Optional mounting devices**

A variety of mounting devices are available in conjunction with the SOLARIS LC40 display, allowing it to be wall or ceiling mounted, tilted or mounted back-to-back. Again, flexibility in use is key.

- **Customizable front cover**

Adapt the look and feel of your LCD to suit the design of your location. Optional extras include the possibility to order colors and patterns to suit your needs.



Fully featured compact PC (optional)



Landscape or portrait use supported on HYDRA

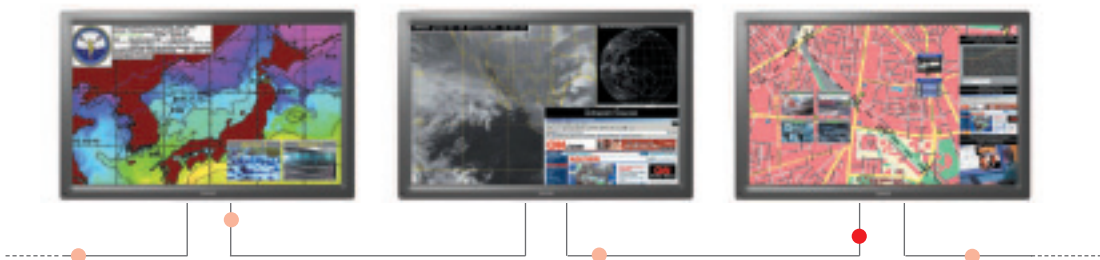
Fit for a myriad of control room applications

The SOLARIS LC40 is compatible with Barco Control Rooms' TRANSFORM series (ARGUS, HYDRA and Eos), making it ideal for use in:

- Broadcast applications
- Traffic and Surveillance applications
- Command and Control applications
- Control room applications in the utilities & process control, and telecom markets



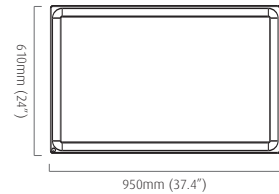
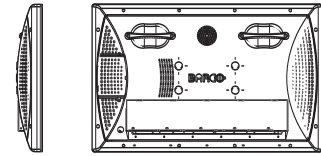
Small control room application



Networking capability

Solaris LC40 Specifications

LCD Panel	
Technology	TFT LCD
Native resolution	1280 x 768 (W-XGA)
Active screen diagonal	1010mm (39.6")
Active screen Area	862mm x 517mm (33.9" x 20.4")
Viewing angle (hor./vert.)	170° / 170°
Lifetime	typical 50.000h
Weight	25kg / 55.1lbs
Visual characteristics	
Contrast ratio	600:1
Brightness	450Nit
Colors	16.8 million
Aspect ratio	15:9
Connectivity	
Standard inputs	DVI, RGBHV (on BNC), SDI Video PAL/NTSC/SECAM (CVBS in/out; S-Video in; YUV in)*
Standard outputs	RGBHV on BNC out (Scaled to screen format), SDI out
Optional input modules	HD-SDI (in / out) Audio pré-amp input module (excl. speakers)
Control	
	RS232 control On Screen Display (OSD) IR remote*
Power requirements	
Input	85V-264V (50Hz-60Hz)
Power consumption	270W (330W including Compact PC)
Environmental	
Operating T (min-max)	5° to 40°C (41° to 104°F)
Humidity	Max. 85%
Approval	
Regulation compliance	UL, CE
Optional accessories	
	Compact PC Rotator for portrait use Protective glass front cover Audio speakers



* Optional

Ref. no. R599725 February '05

Barco Control Rooms is an ISO 9001 registered company.
The information and data given are typical for the equipment described. However any individual item is subject to change without any notice.
The latest version of this product sheet can be found on www.barcocontrolrooms.com

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