

# Solaris LC40



## Barco's 40" LCD display

The Barco Solaris LC40 is a 40" LCD display that achieves a new level in visual performance. With its elegant design, superior image quality and extended functionality, the Solaris LC40 is the presentation and public information display of choice for use at major exhibitions, as digital signage medium in retail and entertainment environments, corporate headquarters, sporting venues and transit locations.

The state-of-the-art Solaris LC40 delivers crisp, clear images detailed to perfection. Compatible with a wide variety of signal sources, it is capable of showing analog and digital video as well as data content – scheduled in sequence or picture in picture -, bringing you the ideal medium to display your message to the right audience, at the right time, at the right place.

With optional components that allow you to tailor the display – both in functionality and look & feel - to your specific needs, the Solaris LC40 can easily be integrated in any environment.

By combining an integrated PC, content management and scheduling software as well as the high-resolution LC40 display, Barco offers you a total integrated solution for dynamic digital signage.

**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

## Stylish, elegant design

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

### • Compact, elegant design

With its compact design, stylish neutral colors and optional extras that allow you to customise 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, 1.26 GHz
• 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 centre, 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 customisable 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.

- **Customisable 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\*



Content rotator for portrait use\*

## Fit for a myriad of applications

Whether used as stand-alone display medium or as part of a network of displays, the Solaris offers you a state-of-the-art display solution. Ideal for use in:

### Digital Signage and Information Management

- Corporate headquarters
- Retail environments
- Museums and visitor centers
- Sports venues
- Transit locations

### Rental & Staging

- Entertainment venues
- Exhibition booths

### Broadcast

- Broadcast studios

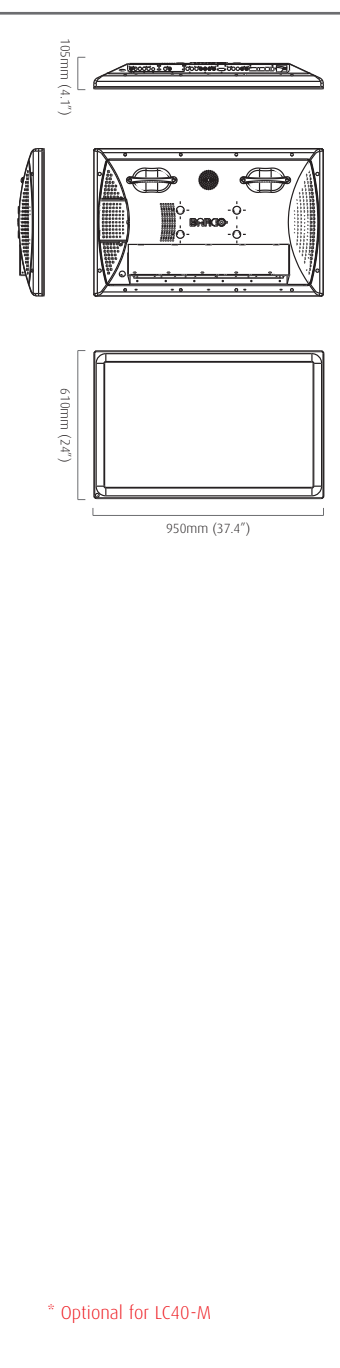


Networking capability

\* Optional

# 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
Available models	
Solaris LC40 Media (LC40-M)	R9004125
Solaris LC40 Events (LC40-E)	R9004120



\* Optional for LC40-M

Ref.no. R599715 - January 2005

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.barco.com](http://www.barco.com).

Barco  
Noordlaan 5, 8520 Kuurne - Belgium  
Tel. +32 56 36 89 70  
Fax +32 56 36 88 24  
email: [sales.media@barco.com](mailto:sales.media@barco.com)  
[sales.events@barco.com](mailto:sales.events@barco.com)

