



Bausch + Lomb, a division of Valeant Pharmaceuticals, is solely dedicated to protecting and enhancing the gift of sight for millions of people around the world. Helping you see better to live better.

## BAUSCH + LOMB

### Bausch + Lomb

Bausch + Lomb is a global eye health company and part of Valeant Pharmaceuticals International. The company was established in 1853 as an optical goods shop in Rochester, New York. Today the company is the largest provider of eye care products, including soft contact lenses, which it developed and introduced to the market in 1971. Today they operate in more than 100 countries and employ approx. 12,000 people.



### CHALLENGE

With a rich history of innovation Bausch + Lomb began a project to install several new contact lens packaging machines. Contact lenses are fragile items that need to be carefully packaged in order to keep them intact. As a result, the process of placing the lens in a holder, dosing with preservation fluid and sealed, as well as the packaging itself, needs to be sterile.

As much as the packaging is automated, there is still an element of human interaction that is required. In this application, Bausch + Lomb technicians use 20 computers within two network enclosures. Instead of having 20 corresponding monitors for each computer, there are only four on different points on the machine in order to make the space more efficient and cost effective, as not all 20 computers are accessed at the same time.

“We needed access to all 20 computers from four screens,” explained Paul Flanagan, controls engineer, Bausch + Lomb. “Access to the computers is essential and needs to be quick and easy, enabling us to see any of the PCs on different monitors at the same time. In addition, when installing this new machine, we wanted remote access to the computers to bring in another level of control and efficiency.”

### SOLUTION

Bausch + Lomb chose to work with Adder Technology to implement a KVM solution to give engineers easy access to all of the PCs. The lens manufacturer already uses a host of Adder products in its other packaging machines — including Adder CatX switches and Adder X200 extenders.

The solution for the new machines included Adder’s flagship product range, the AdderLink Infinity, an IP-based high performance KVM solution. The AdderLink Infinity solution installed includes 20 AdderLink Infinity 1002 transmitters, one for each of the 20 computers, 6 AdderLink Infinity 1002 receivers for each screen and 2 A.I.M. (AdderLink Infinity Manager) units which provide a redundant network solution. The computers can now be accessed and managed from any distance, at any of the 6 screens, delivering pixel perfect content with zero latency.

Two AdderLink Digital ipeps were also added to enable secure remote access via the internet or corporate network. Each A.I.M. and receivers are powered by 2 ADDER RED PSU, a 19” power distribution unit with 16 outputs for each network enclosure.

“We have built a good working relationship with the Adder team, which further supports the quality and reliability of the products we already have installed across our other packaging machines,” said Flanagan.

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## RESULT

The solution was installed by Bausch + Lomb electricians and configured by in-house controls engineers, with support from the Adder team when needed. The fully functional KVM matrix solution met the requirements of the project and brings flexibility, high performance and scalability to the application.

“We are extremely satisfied with the end result of this project and the levels of efficiency that our operators now enjoy. The service, support and advice we received from the Adder team was also excellent and the technology really meets our requirements.”

## RELATED PRODUCTS

Adder offer a vast range of products to suit your needs. Other products available include:

**ADDERLink INFINITY 1002**  
ALIF1002P; ALIF1002R;  
ALIF1002T



**ADDER RED-PSU**  
PSU-RED2-8; PSU-RED2-16;  
PSU-RED1-8; PSU-RED1-16



**ADDERLink INFINITY Manager (A.I.M.)**  
ALIF-AIM



**ADDER CCS-PRO4**  
CCS-PRO4



## Adder Product List

**AdderLink Infinity 1002:** ALIF1002P; ALIF1002T; ALIF1002R; ALIF1002AT (VGA)

The AdderLink Infinity 1002 is one in the range of IP based high performance KVM solutions from Adder Technology. Capable of extending and switching computing resources to users in multiple locations using standard IP technology.

**AdderLink Infinity Manager:** AIM-24; AIMLIC-48; AIMLIC-96; AIMLIC-192;

AIMLIC-288; AIMLIC-UNL

The AdderLink Infinity Manager (A.I.M.) provides a management server for your AdderLink Infinity transmitters and receivers. Using standard IP, the A.I.M. provides a powerful tool to be able to matrix and control your Infinity network.

**Adder RED-PSU:** PSU-RED2-8; PSU-RED2-16; PSU-RED1-8; PSU-RED1-16

The Adder RED-PSU provides a rack mountable, redundant power distribution unit. At 1U high it can provide 8 or 16 lockable 12V outputs. Two power modules provide assurance whilst 5V cable convertors provide added flexibility.

**AdderLink Digital ipeps:** ALD-IPEPS

The AdderLink Digital ipeps (IP Engine per Server) provides remote access via a Real VNC viewer to the designated computer over IP. This offers a powerful and secure remote access tool.

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