

# Visual

## INDUSTRY

Audio/Visual

## SOLUTION

AVO200/LCC600

## EQUIPMENT

Massive LED Display

### Massive LED Display Screens

A manufacturer of huge LED display screens, used at exhibitions in entertainment arenas, in public squares or as advertising displays by the side of highways, has selected Artesyn's LCC600 conduction-cooled AC-DC power supply and AVO200 eighth-brick isolated DC-DC converter. Using a distributed power architecture, these units will be powering the customer's latest LED display screens, which can be up to 40 meters wide. Having no fans, therefore no fan noise, was important to this customer so the LCC600 was the ideal solution. Artesyn's reputation for high quality made it easy for this customer to select units from one of the world's largest makers of power solutions.

### Multi-screen Video Wall

4K and 8K multi-screen video applications accelerate and drive increased power consumption. Whether you need to support multiple LCD displays, projectors, or large installations using LED matrix technology, you need a reliable power supply to run high-quality screens.

Experience Superior, Nimble Power System  
Performance and High Efficiency

Used by a world-leader in the audiovisual industry

for their video wall application, Advanced Energy's Artesyn DS1100SLPE power supplies eliminate fan noise at start-up. Novel firmware decreases disruptions and enables rapid reaction times. The main 12 V output delivers up to 90 A and holds within regulation down to zero load.

### Video Matrix

Video walls have long been used in entertainment venues and are becoming increasingly popular in a wider range of applications including medical displays. These can vary in size and scope from using multiple LCD screens or projectors to large installations using LED matrix technology. An innovative company that focuses on high resolution, high quality products was looking for a high efficiency, high reliability AC-DC power supply for its LED matrix switching system. The unit itself looks much like a 19-inch rackmount bladed server, but with massive amounts of specialist graphics processing and IO. The company selected Artesyn's DS495SPE series 1U front-end power supply and uses it in a 1+1 redundant configuration. The 80plus Platinum efficiency certification and Artesyn's reputation for reliable server power supplies made this an easy choice.

## Digital Signage

Advertising is big business and billboards are no longer simply huge posters. They can now display real time video content, helping retailers drive sales and communicate more effectively. A leader in the provision of these screens required a power supply which would enable its screens to run efficiently, for a long time, with minimal maintenance, at both indoor and outdoor locations. Artesyn was able to offer a combination of the LCC600 and LCC250 power supplies as the perfect solution. These models are ideal for outdoor screens as the robust enclosures are resistant to dust and moisture. They are equally suitable for indoor applications as the absence of cooling fans can help minimize dust and noise. The PMBus communication interface facilitates remote set-up and monitoring, making them easy to integrate into the end application.



## Video Surveillance Switch

Video surveillance technology has moved on since the days of grainy black-and-white images feeding on-site control rooms. HD is standard and cameras now have infrared, wide dynamic range, facial detection, object counting, intrusion detection capabilities, and much more. IP technology and new video compression codecs are enabling smart recording, remote control and integration with other enterprise systems. These cutting-edge solutions serve a diverse group of vertical markets, including government, retail, banking and finance, transportation, healthcare, gaming, education, commercial and residential applications. At the heart of one of the latest large-scale surveillance systems is a switch that provides the intelligence and performance demanded by customers. When one of the world's largest providers of video surveillance technology was looking for a power supply for their next generation switch, they turned to Artesyn and the DS460S series server power supply. This bulk front end unit is now providing a 1+1 redundant power supply to keep people safe all over the world.



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