

# PRODISPLAY™

## LED PERIMETER SYSTEMS

We offer 2 standard systems – 16mm (SMD) and 20mm (LED)

### Specification for 16mm (3-in1) SMD System

Nichia high brightness SMD Module

Pixel pitch – 16mm

Brightness – 5700 nits

Viewing angles - 140° H & V

IP65 rated

Stackable modules

3 year warranty (inc. spare parts)

### Specification for 20mm LED System

Nichia high brightness LED Module

Pixel pitch – 20mm

Brightness – 7000 nits

Viewing angles - 120° H

IP65 rated

Stackable modules

3 year warranty (inc. spare parts)



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## LED PERIMETER SYSTEMS

We have now installed several systems around the world.

Our latest systems benefit from many upgrades which now give us a competitive edge in the market place.

1. Smaller lighter modules (making them ideal for stacking)
2. Soft rubber mask (facia) – durable during impact
3. Quick fix stabiliser (simple action) – see picture across
4. Special plastic coated hinges – see picture across
5. Simple cable connections – see picture across
6. Corrosion resistant coatings (extreme weather conditions)
7. Special interlocking cables – do not pop off during impact
8. Module front IP65 – Module rear IP54
9. Upgraded conformal coatings (extreme weatherproof)
10. Improved air circulation – cooling within the housing
11. Improved control system and fibre data connections
12. Fewer operating cables – simple connections



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## LED PERIMETER SYSTEMS

Here you see the fibre connection for better data transfer between the modules.

These pictures highlight our 20mm LED system operating with the upgraded power distribution box and reduced number of cable connections.

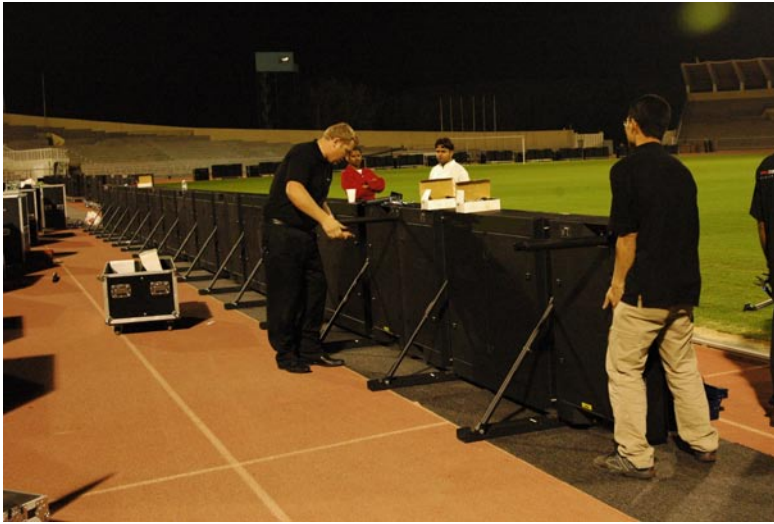
The module stabiliser is quick and simple to operate and allows the module to adjust to different angles for better results on TV broadcasts.

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The images above show the modules being transported to the stadium in flight / storage cases and then being assembled prior to the game. The new lightweight module design makes it simple for two men to carry and set up the modules.

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The system is simple to transport between locations and set up can be completed within a number of hours. Full training is provided for local engineers, covering all aspects of operation – module set up, cable connection, software operation, and general maintenance.

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## LED PERIMETER SYSTEMS



The pictures above show the quality of our LED Perimeter Systems, the left hand picture shows the image quality displayed on the screen and captured by the TV cameras and the right hand picture shows how we design our modules to be strong and durable.



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## LED PERIMETER SYSTEMS

We offer two standard systems -

16mm Pixel Pitch –

SMD (3-in-1) Technology

Module size – 1024 x 1280mm

Weight – 80 kg per module

20mm Pixel Pitch –

LED Lamp Technology

Module size – 960 x 1280mm

Weight – 70 kg per module

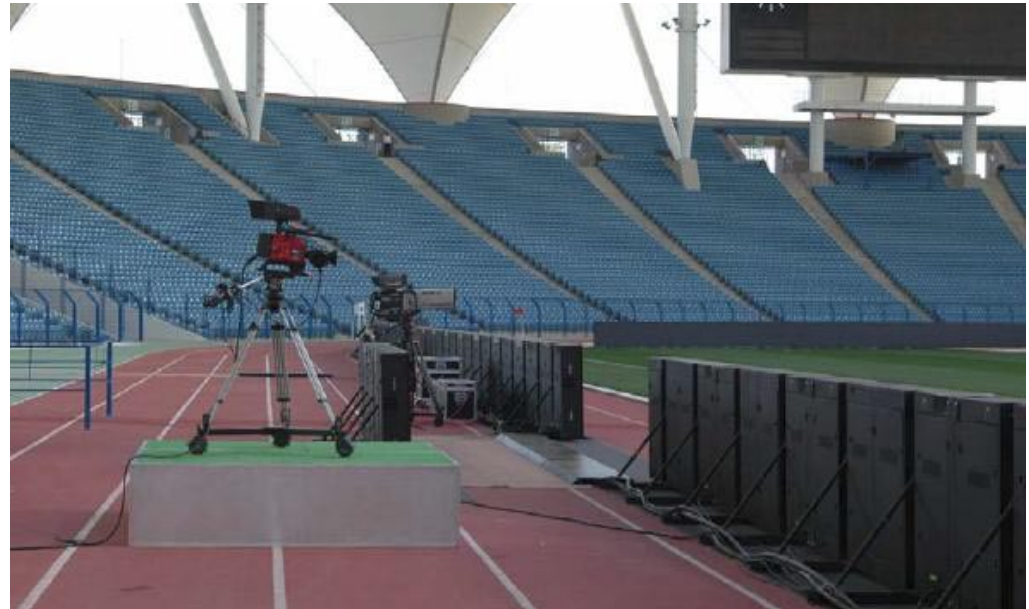


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## LED PERIMETER SYSTEMS

Our LED Perimeter Systems are supplied complete with all the components for operation –

- LED Modules (200 – 250 metres)
- Power / data cables
- Power distribution boxes
- Data transmitters
- 2 PC control systems (1 spare)
- Operation software
- Spare components / parts
- Commissioning / training
- 3 year comprehensive warranty





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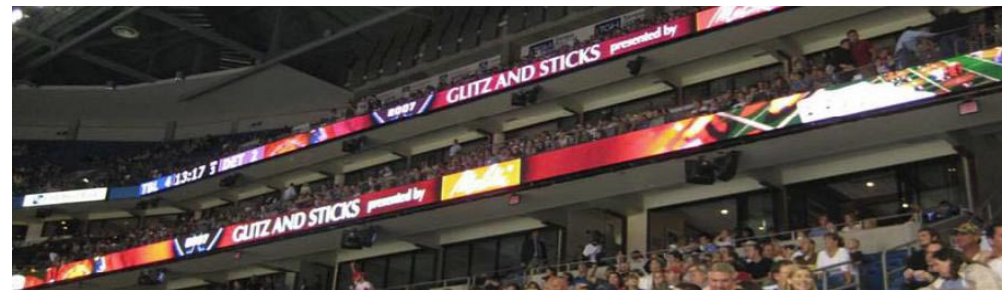
## LED PERIMETER SYSTEMS

Here is our 10mm (3-in-1) SMD displays in operation at an ice rink in Canada. Note how the screen wraps completely around the structure (rounded corners).

Our 20mm LED perimeter system has been used at the same venue to display advertising around the arena.



**10mm (3-in1) SMD Video Screen**



**20mm LED Perimeter Screen**

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## LED PERIMETER SYSTEMS

Here is a picture of the SMD LED Perimeter modules stacked on top of each other. Our modules can be used for other rental/video wall applications. This allows customers the opportunity to recoup more advertising revenue by utilising the system for other outdoor events.



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## LED PERIMETER SYSTEMS

Our LED Perimeter systems can be custom made for specific applications. They are the ideal solution for both fixed and temporary applications (rental).

We offer a complete design service for all LED solutions.

All our LED display products are produced using only the highest quality components, this is why we can offer the best warranty in the industry.





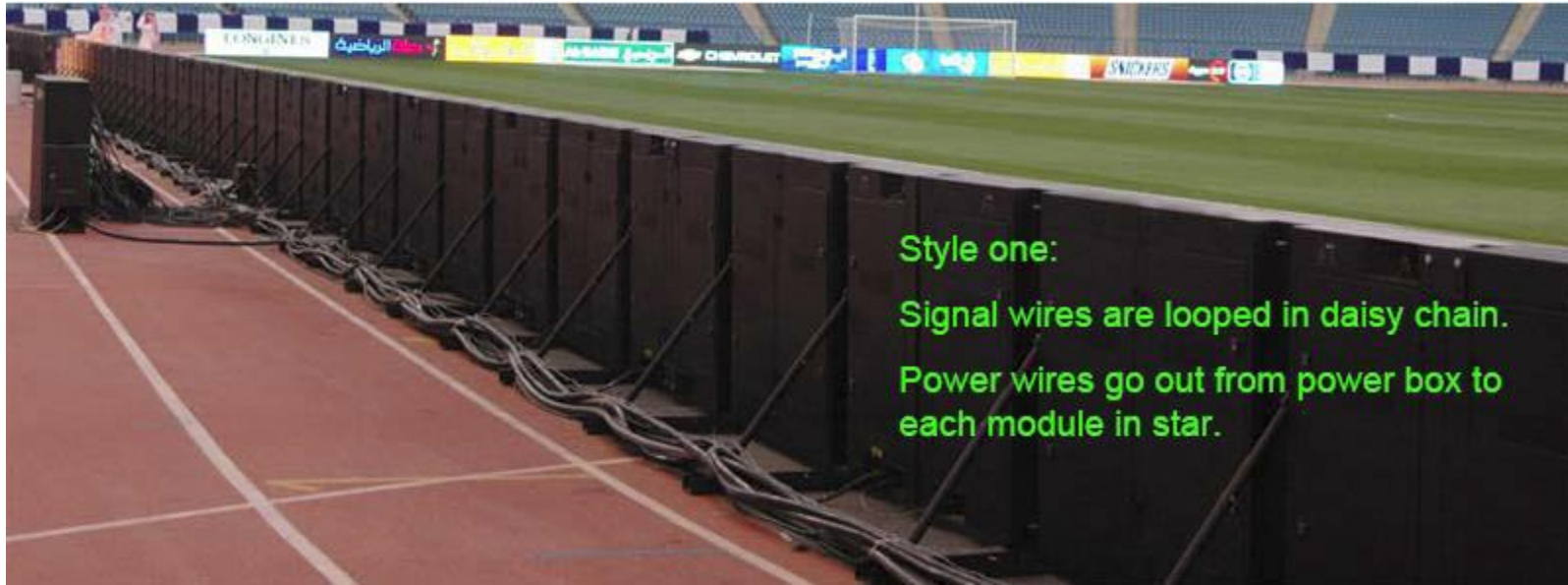
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## LED PERIMETER SYSTEMS



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## LED PERIMETER SYSTEMS



Style one:

Signal wires are looped in daisy chain.

Power wires go out from power box to each module in star.



Style two:

Both signal wirings and power wires are looped in daisy chain.

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This diagram highlights our latest module with improved design features.





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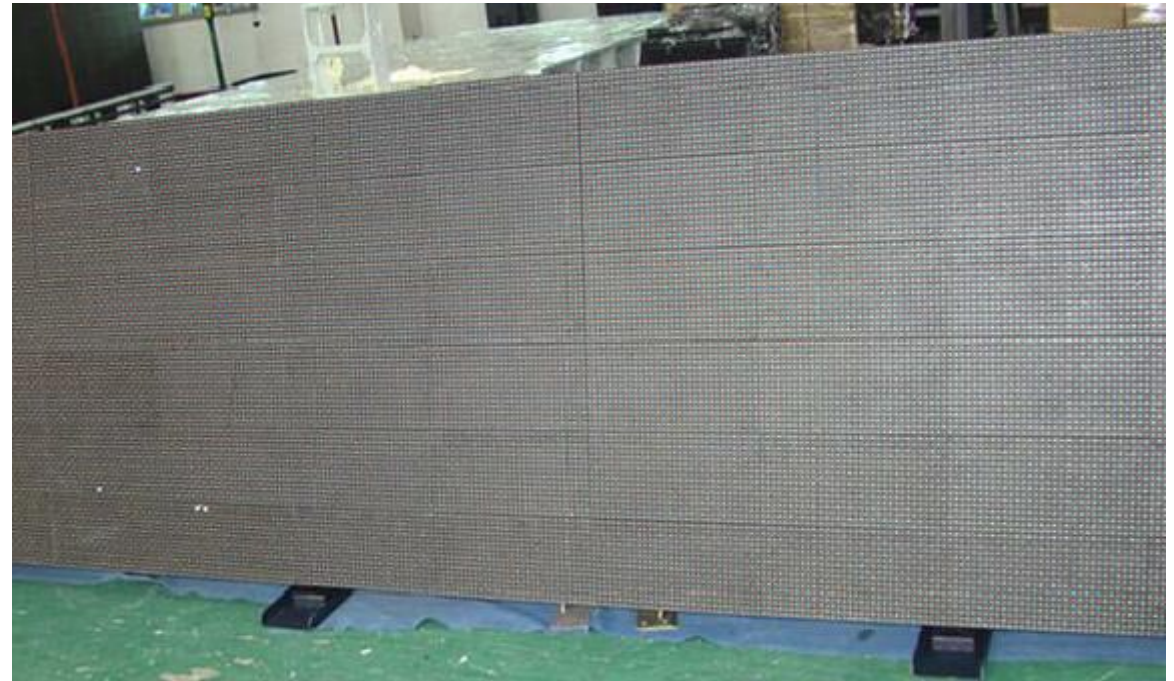
## LED PERIMETER SYSTEMS

The images here demonstrate how the modules are transported using low level flight / storage cases (2 modules per case).

The modules can be easily lifted out of the flight / storage cases and moved into position by two operators. The retractable handles make the lifting / moving process easy for the engineers.



## LED PERIMETER SYSTEMS



These images show how simple it is to locate and lock the modules together using our south lock device. The result is a neat connection without any gaps.

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## LED PERIMETER SYSTEMS



The images above show our NEW improved stabilisor system to balance / support the modules when they are in position. The quick slide mechanism makes it simple to adjust the angle of the modules to get the very best results for the TV cameras.



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## LED PERIMETER SYSTEMS

Here you can see the build quality of our system and how we have designed and developed our modules using only the very best components. Providing customers with quality and reliability



Snap-in electrical connectors

Tool free nuts, loosened and tightened by bare hands

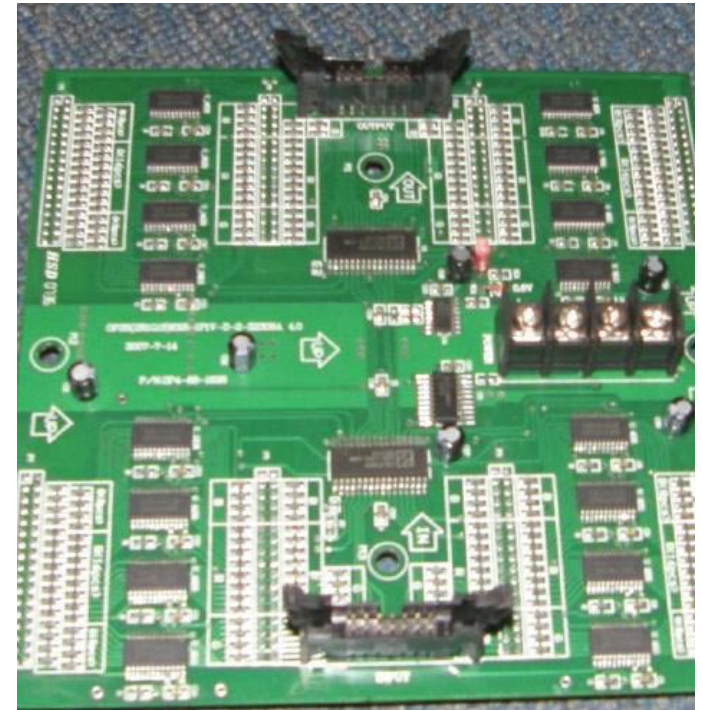
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## LED PERIMETER SYSTEMS

To avoid any unnecessary failures during operation our third generation modules have benefited from many upgrades as we strive to achieve the highest standards in the industry.

The images on the right show our NEW improved control boards which benefit from an upgraded connection system which locks the ribbon cables in position so they do not come loose during movement or impact.

Striving the achieve the very best.





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## LED PERIMETER SYSTEMS

The image on the right shows our NEW improved soft masking system which offers greater protection for the LED boards and the players during impact.

This image shows the two system boards side by side.

The first board shows the flat surface of the 16mm SMD system with impact resistant ABS facia and the second board is the 20mm LED unit with soft mask system.





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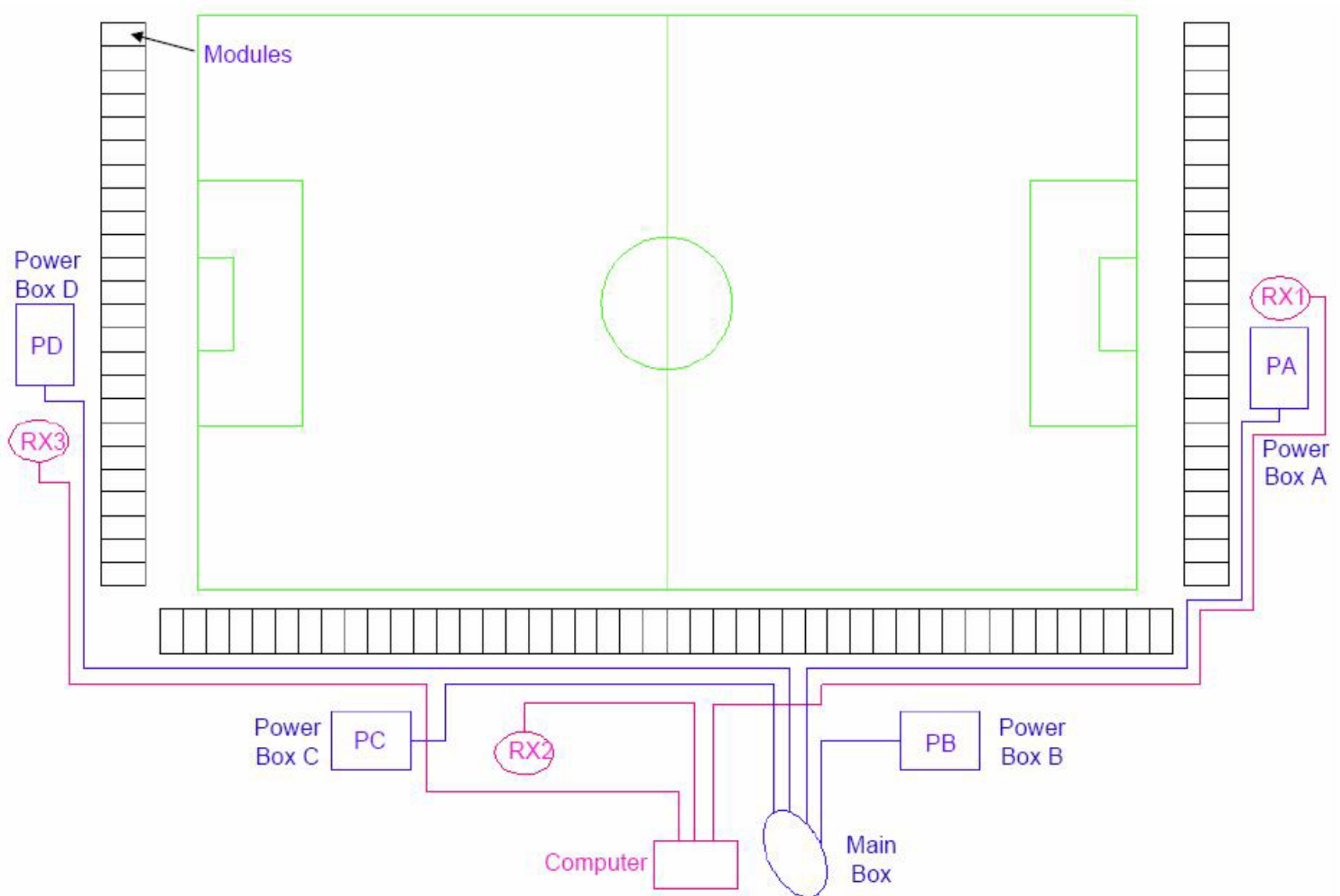
## LED PERIMETER SYSTEMS



The images above show the brightness and quality of the display during operation. Here you can see how the modules can be angled to suit the position of the camera and the visibility of the modules from a side angle. Here you can see how brightness and colour contrast of the modules is even across the complete surface area of the perimeter system.

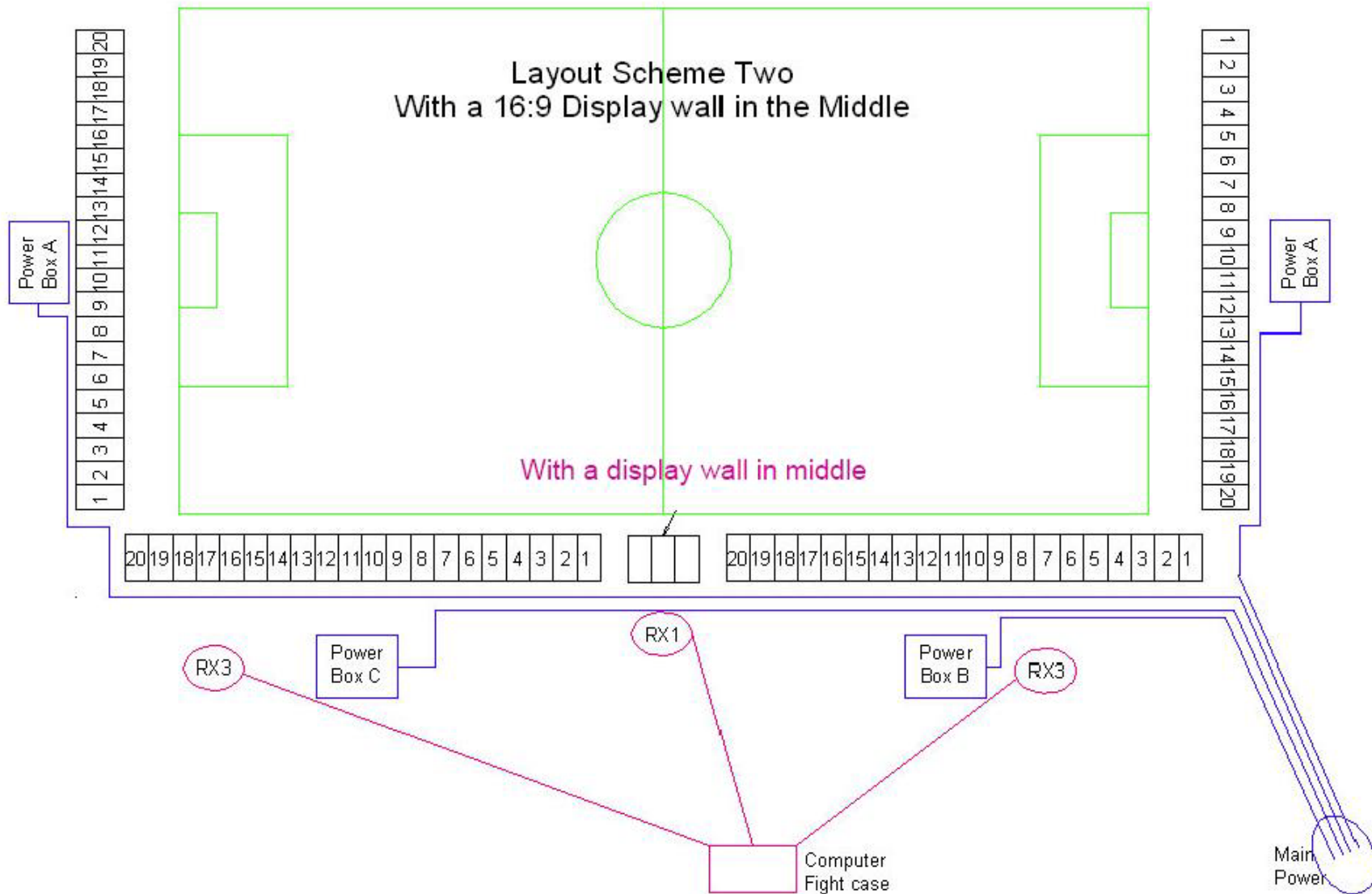
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## LED PERIMETER SYSTEMS – example layout 1.



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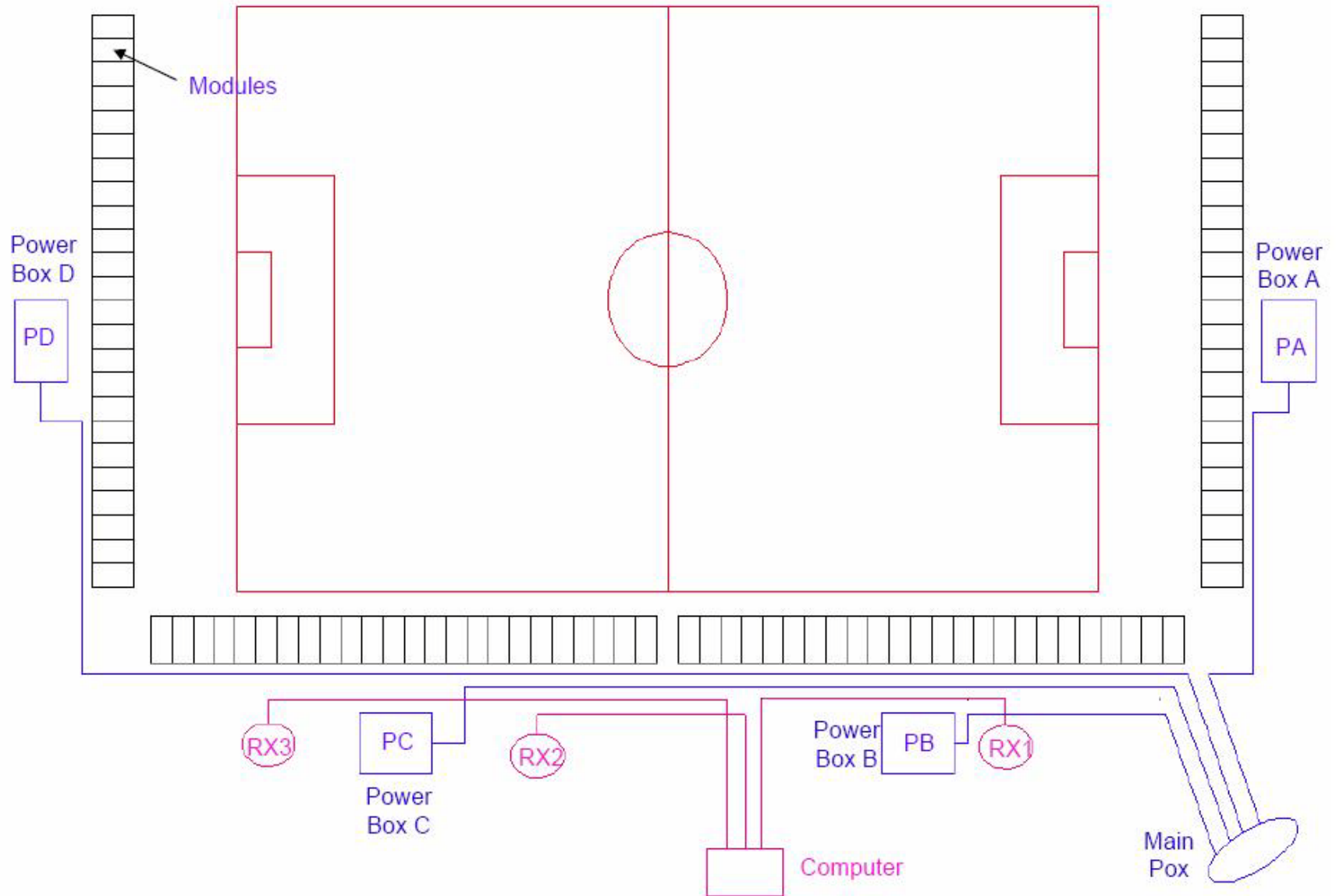
## LED PERIMETER SYSTEMS – example layout 2.





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LED PERIMETER SYSTEMS – example layout 3.





## LED PERIMETER SYSTEM SOFTWARE

Over the last 3 years we have continually strived to make improvements to our LED perimeter software, adding new features and functions all the time to meet our customer's requirements. We are now on with developing our third generation software which should be completed and released in March 2008.

Much investment has gone into the development of the NEW third generation software package. Our engineers have studied other software systems within the industry to come up with a solution that offers greater functionality and ease of operation for our customers.

The company is focused on providing the very best solutions for our customers, with ongoing system support and development.