

Visualisation Solutions

Turnkey Solutions with Videowalls

More efficiency, control and security with LED videowall technology.

Optimise workflows and shorten reaction times.

All the information you need, at the right time and at the right place.



Description

For operators in surveillance centres, maximum control and efficiency are absolute requirements.

The projection of data sources onto professional large screen displays in combination with WEY Solutions guarantees the highest levels of security.

Large screen displays from WEY marry outstanding design with superior picture quality. The videowalls are based on rear-projection or LCD technology.

Both systems are characterised by their modularity. While rear-projection cubes are seamless, the LCD monitors feature super slim bezels. Both systems are highly expandable and stackable.

The videowalls can be subdivided into one or more virtual desktops, permitting great flexibility.

Moreover, WEY Visualisation Solutions offer almost unlimited means to control and manage information sources on the screens.

Highlights

- Simple usability and installation
- High reliability guarantees fault-free service for 24/7 operations
- High adaptability due to modular design of all components
- LED Technology
- Modest support and maintenance costs
- Above average equipment lifespan
- Platform independence

Rear Projection Cubes

The seamless LED Rear Projection Cubes are modular in design and can be arranged in virtually any horizontal and vertical constellation. The modules which are designed for continuous operations use DLP™ technology to guarantee the quality and colour fidelity of high resolution pictures and eliminate the “burn-in” effect.

Innovative LED Technology

These rear-projection cubes are among the world’s first based upon innovative LED technology. The LEDs which are used for primary colours ensure flicker-free pictures which protect viewers from visual fatigue. Further, they are highly durable and require very low maintenance.



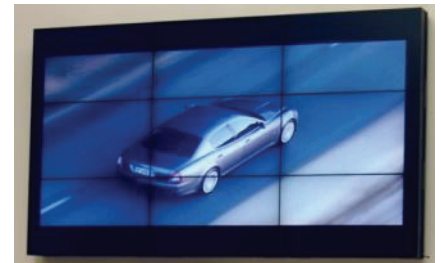
Alarm Management

The outstanding interaction of WEY Multifunctional Keyboards and the eyecon Wall Management software not only enables the management of the large screen display from the workplace, but also optimises control in the surveillance area. Predefined events and alarms can be displayed on the videowall and acknowledged using a WEY Multifunctional Keyboard.

LCD Monitors

The newest generation of LCD monitors features super slim bezels. Stackable frames make it easy and quick to set up the videowalls.

The innovative ventilation concept of the displays as well as additional security features minimise the risk of image retention effects and increase the lifespan of the videowall.



Graphic Controller

The network based netpix graphic controller is used to control both large screen displays and single monitors. Due to its multi-screen properties, videowalls of practically any size can be realised.

Diverse interfaces support a variety of signals such as those from network applications, video, DVI and RGB sources.

Accessories

KMVA Signal Transmission

WEY offers a variety of products for the real-time transmission of KMVA signals over copper or fibre optics cable.



This permits the remoting of computers which are connected to the videowall to a protected and air conditioned system room.

For the ultimate in flexibility and efficiency, we recommend the IP KVM Extender WEY IP Remote with True Channel Communications.



KMVA Switch Solutions

Depending on the size and complexity of customer requirements, WEY provides Deskswitches, Multifunctional Keyboards and/or an Allocation System.



Multifunctional Keyboards

To simplify the management of complex systems, WEY recommends the MK06 Multifunctional Keyboard with LCD colour display. This keyboard provides a user friendly interface for control centre operators. The keyboard is modular in design and can be extended with customised keypads and other components.



Allocation System

The WEY Allocation System integrates numerous servers and computer platforms into one system. The computers can be switched to one or more monitors independently from each other.

The WEY Allocation System provides several ways to react to events and display predefined scenarios.

Our solutions for multiple and complex workplaces offer maximum flexibility and reliability.

Example of a WEY Solution with a Videowall

The following diagram shows the combination of a WEY Solution with a videowall from eyeveis in a control room environment.

System Room

In the system room, KMVA interfaces from the customer data sources are connected to the WEY Allocation System.

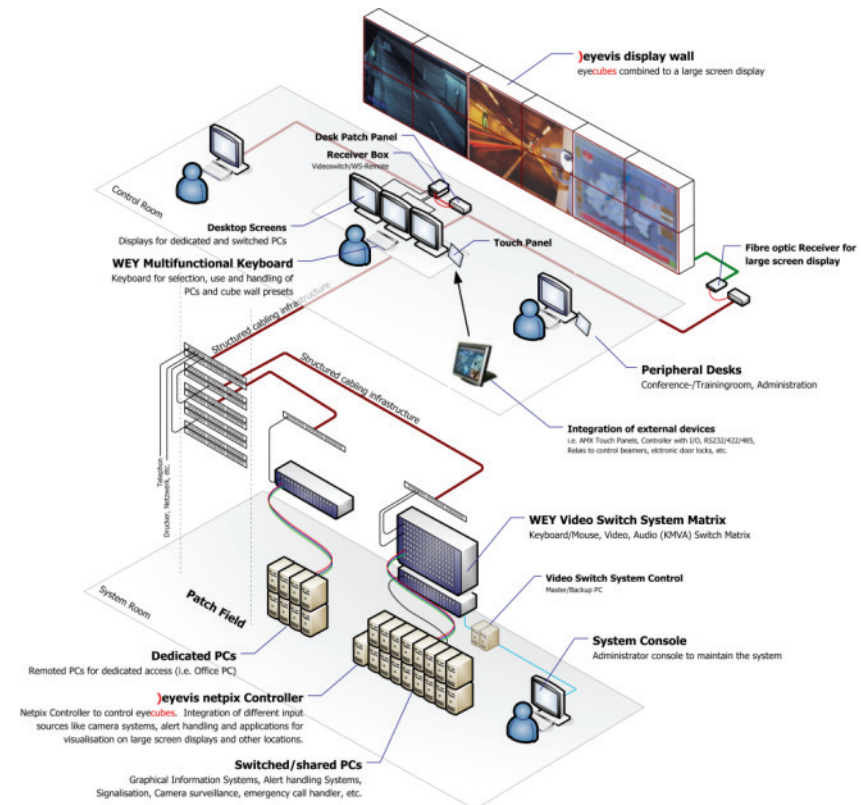
Dedicated workstations are connected to the WEY Remote Solution transmitters and then via structured cable (UTP/STP or fibre optics) to the receiver units at the operator workplaces.

The Allocation System outputs are connected to the video interfaces of the netpix Graphic Controller. Thus, using the eyecon Wall Management software, sources can be switched to and displayed as required on the videowall.

Workplace Environment

At the desk, receiver modules are installed in compact chassis available in a variety of forms and sizes.

Every control centre operator uses a single WEY Multifunctional Keyboard to control dedicated PCs as well as all data sources available via the Allocation System. Data sources can be displayed onto desk screens or the videowall with a single keystroke.



Operations

Access to all the data sources is possible from each and every control centre workplace which is attached to the Allocation System (Free Seating). Access rights for specific sources are defined in the user profiles. When logging onto a keyboard, all sources permitted to that operator become available, are indicated in the keyboard display and can be selected with function keys.

Event-Driven Processes

In the event of an incident, the relevant sources (e.g., cameras, fire alarms, etc.) are displayed on predefined local screens or a videowall. Alarms can be acknowledged on the WEY Multifunctional Keyboard.