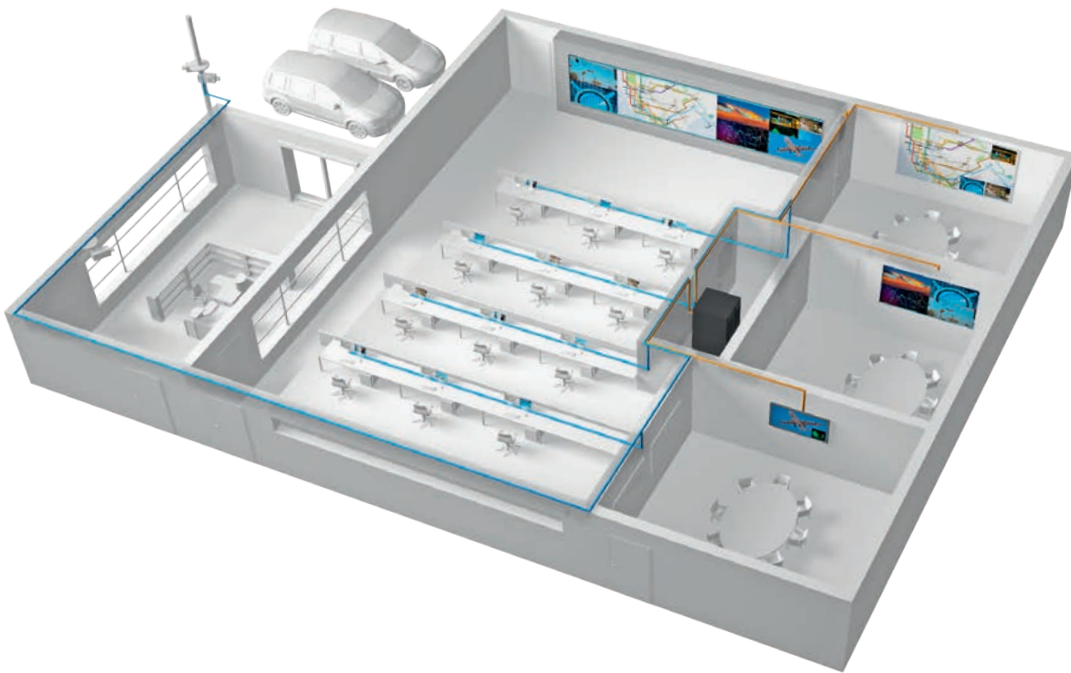


**INTERCONNECTED DISPLAY CONTROL FOR CONTROL ROOMS,  
CONFERENCE ROOMS AND DIGITAL SIGNAGE NETWORKS**  
eyeCON METAWALL 2.0 AND EPU-LCD-DISPLAYS

■ FOR CONTROL ROOMS

■ FOR PRESENTATION & INFORMATION



# INTERCONNECTED DISPLAY CONTROL FOR CONTROL ROOMS, CONFERENCE ROOMS AND DIGITAL SIGNAGE NETWORKS

eyeCON Meta Wall 2.0 and intelligent EPU-LCD displays offer flexible control and extensibility for visualization solutions

The demands on AV technology in control and conference rooms as well as the digital signage area are becoming increasingly complex. In order to meet these increasing demands eyevis has developed the new eyeCON MetaWall 2.0 concept. eyeCON MetaWall 2.0 is a software based system for the signal processing and the control of video walls and individual displays on the basis of standard IP networks. With eyeCON MetaWall 2.0 video walls and individual displays can be interconnected to one user interface beyond the limits of a single graphics controller. The input signals can be transmitted more flexible via network, internet or the cloud and can be extracted from the network at any number of locations. The control, scaling and attribution of all input signals are controlled by eyeCON Meta-Wall 2.0.

The software makes all sources visible on a desktop surface and thus enables the easy distribution of the signals to the individual reproducing devices. The eyeCON MetaWall 2.0 concept can be directly customized to the special needs in



the control and conference room sector as well as the Digital Signage area. It comprises a complete system of software and hardware components, like the eyeCON wall management software, the new EPU-LC displays with integrated image processing for the direct network connection, the netPIX graphics controller for the signal input to standard displays, the ECS server as the central database and backup server as well as the eyeGATE streaming encoder for the transformation of video signals in network streams or the easy connection of external sources (e.g. BYOD sources). Controlled by eyeCON MetaWall 2.0 the system enables the construction of almost indefinitely expandable video wall installations and display networks on the basis of standard IP networks. Easy integration into existing systems: Since both the new



EPU displays with direct control and the video wall displays with the control via graphics controller can be integrated into eyeconMetaWall 2.0, integrators gain unprecedented flexibility. All of the required components can be combined as needed. Moreover, eyeCON MetaWall 2.0 can be integrated flexibly into existing systems.

## EPU-LCDs:



### eyeCON MetaWall 2.0:

#### THE MOST IMPORTANT BENEFITS AT A GLANCE

- eyeCON MetaWall 2.0 is flexibly adjustable to the special requirements of control and conference rooms as well as digital signage networks.
- Completely IP based signal processing: Makes available unlimited sources, information and alarms from standard IP networks, the internet or the cloud; controls any number of video walls, displays or clients via network; sources and information can be removed from everywhere within the network; collaboration: sources and information can be shared freely.
- Supports both EPU displays with built-in image processing as well as standard displays with preceding graphics controller. Provides integrators with absolute flexibility and can be integrated into already existing systems.
- Easy installation of the EPU displays: Since the whole electronics for image processing is integrated in the display, only power and network cables have to be connected to the display.

#### DISPLAYS WITH INTEGRATED IMAGE PROCESSING FOR THE DIRECT CONNECTION TO STANDARD NETWORKS

As an element of the eyeCON-MetaWall 2.0 concept, the EPU-LCDs can be connected directly to standard IP networks. The complete image processing electronics are integrated into the display through the eyeProcessing unit (EPU). Unlike with other OPS compatible devices the EPU is not just attached to the display but is directly integrated in the casing. Thus EPU displays have the same depth as standard displays.

Every EPU functions as a split controller within the display. Thanks to eye- CON MetaWall 2.0 a bond of EPU displays functions as one large split controller. The system is redundant and thus guarantees a very high availability.

Eyevis provides the EPU displays as stand-alone displays with screen diagonals from 46" bis 65" as well as seamless video wall display with a screen diagonal of 55". The eyevis LCDs with their full HD resolution, LED backlight, a brightness of up to 700 cd/m<sup>2</sup> and a contrast of up to 4000 : 1 are ideal for demanding applications. In addition to the displays with already integrated EPU the eyevis eyeProcessing Unit is also available as a stand-alone variety in all versions and thus transforms every eyevis display product into a network-compatible device with MetaWall functionality. The EPUs as highly efficient split controllers are directly tailored to the needs of eyeCON MetaWall 2.0. eyevis offers the EPUs in two different performance levels. According to the version the EPUs can process and display 4 or 8 full HD signals.



Integrated into the casing: seamless video wall display type EYE-LCD- 5500-USN-LD-FX-EPU with integrated eyeProcessing unit.



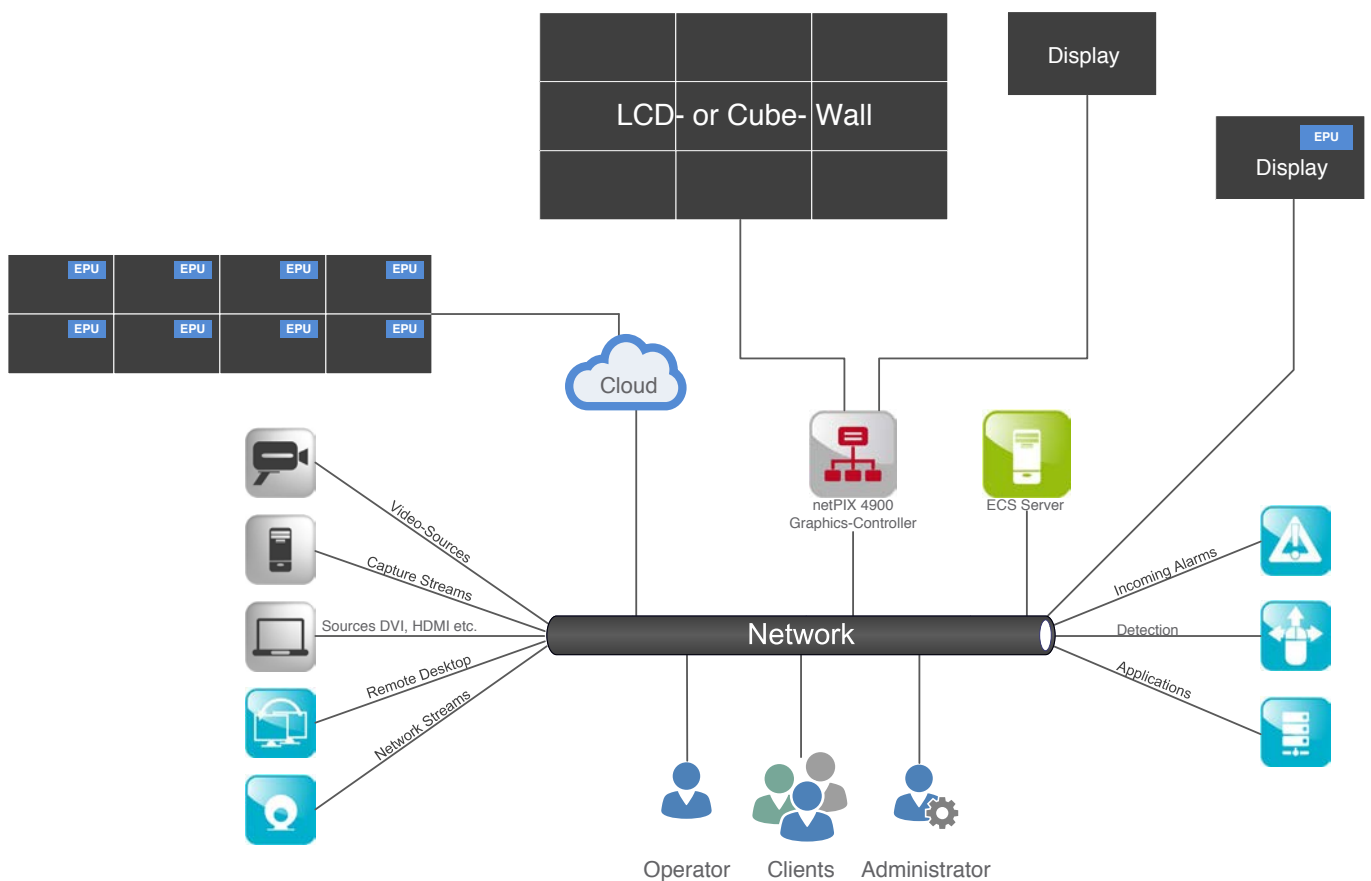
## eyeCON METAWALL 2.0 FOR THE CONTROL ROOM SECTOR:

Flexibility and availability for the visualization in control rooms: The requirements on AV technology in control rooms are becoming increasingly complex. If, for example, individual control rooms are to be combined to integrated control rooms the AV technology has to be able to cope with additional tasks and an increasing number of different signal sources. Furthermore, due to the separation of the control rooms from their actually monitored object the signal transmission via networks, internet or the cloud is getting more and more important.

eyeCON MetaWall 2.0 allows a background network architecture that not only allows the transmission of all signals via Standard IP networks but also allows full flexibility to the integrators: eyeCON-MetaWall 2.0 not only supports EPU displays but also standard displays with preceding graphics controller. Hence the MetaWall concept can be integrated into existing systems and can be directly adjusted to the respective requirement. Thus with SCADA applications and geographic information systems or other applications with the usage of many DVI sources it makes sense to use a netPIX graphics controller. Whereas when a large number of IP sources are simultaneously displayed on a video wall like e.g. in CCTV applications EPU displays mostly are the most cost-effective solution.

### THE MOST IMPORTANT BENEFITS AT A GLANCE:

- eyeCON MetaWall 2.0 allows for a flexible expansion of video walls if additional tasks or additional operator workstations are to be integrated: standard video wall systems with control via graphics controller can be easily expanded via EPU LCDs without having to shut down the system.
- When setting up so-called war-rooms, the eyeGATE streaming encoder enables an uncomplicated feed of external data.
- Incoming data from the monitored objects, processes, security cameras etc. can be transferred flexibly and easily via standard IP networks, the internet or the cloud.
- Integrated capture enables the easy display of desktop content onto a video wall and the control of remote workstations.
- For the representation of SCADA applications and geographic information systems also standard LCDs with preceding netPIX graphics controller can be integrated into the system.
- Since it is possible to control both EPU displays with integrated image processing and standard displays with preceding graphics controller via the eyeCON MetaWall 2.0 system, it is possible to integrate eyeCON MetaWall 2.0 directly into existing systems.
- Integrators gain absolute flexibility: all systems can be combined as required.



Overview eyeCON MetaWall 2.0 for Control rooms

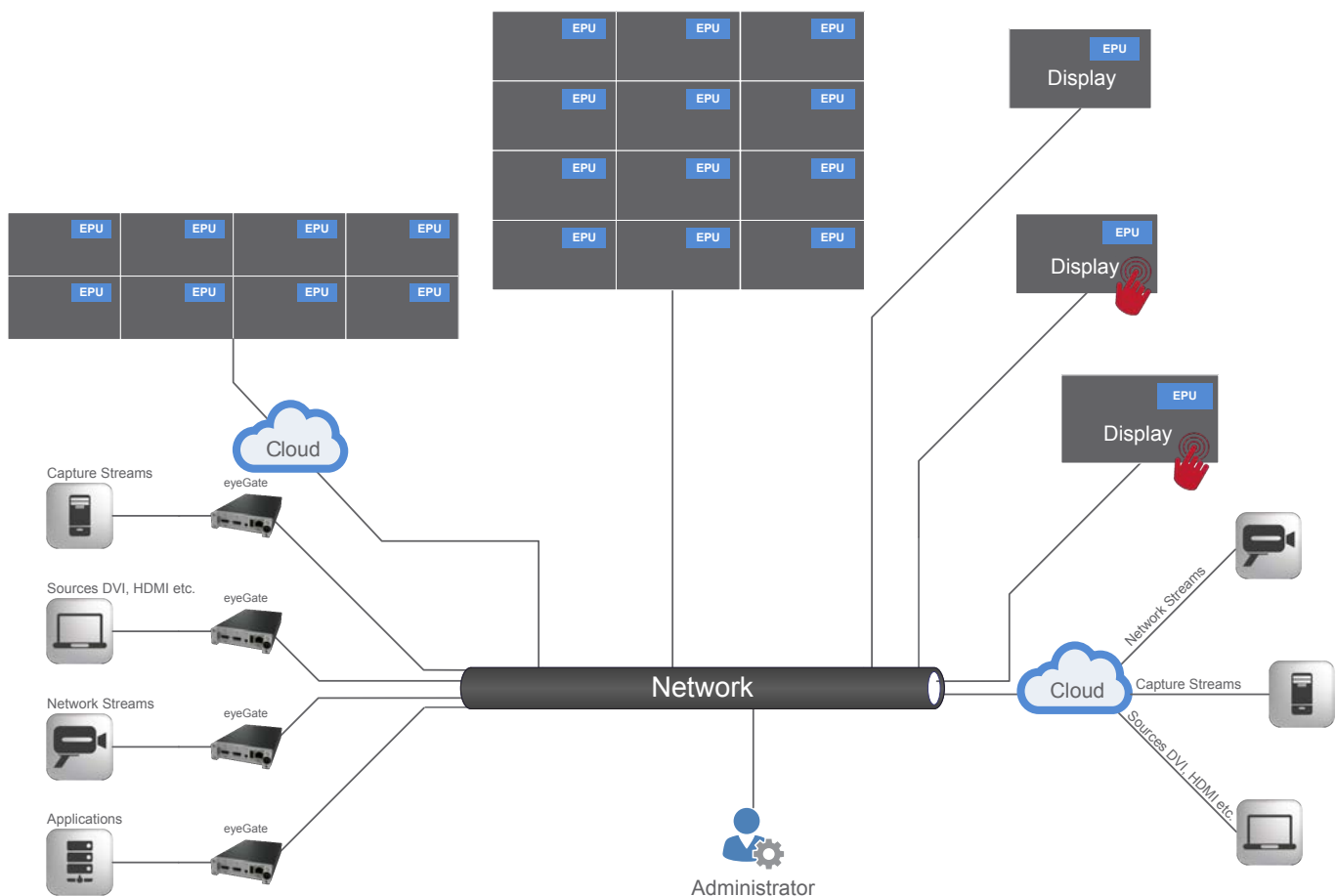
## eyeCON METAWALL 2.0 FOR THE CONFERENCE ROOM SECTOR:

Central visualization and flexibility in conference rooms: In conference centres, hotels or companies with multiple conference or training rooms eyeCON MetaWall 2.0 allows a central control and signal distribution on all video walls or individual displays. The EPU-LC displays thereby enable a flexible and easy installation of the video walls. Thanks to eyeCON MetaWall 2.0 integrators can do without a preceding graphics controller at the installation of video walls. Since in the eyevis EPU displays all image processing electronics are integrated into the display via the eyeProcessing-Unit (EPU) the displays can be directly connected to the network. This facilitates the installation and saves costs.

With the eyeGATE streaming encoders also Bring your own device (BYOD) sources can be easily integrated into the system. And the eyeGATE is so compact that it can be integrated into the workstation of a conference room without having space problems. With its compression according to H.264 standard the eyeGATE can feed audio and video signals into the system in real-time. At the same time it supports multicast and unicast. The stream can be picked up by every decoding-enabled device within the network.

### THE MOST IMPORTANT BENEFITS AT A GLANCE:

- eyeCON MetaWall 2.0 enables a centralized control of all video walls and single displays in conference or training rooms of convention centres, hotels or companies.
- Easy wiring, since the EPU displays only have to be connected to the power and the network.
- Cost effective system: eyeCON MetaWall 2.0 with EPU displays saves costs compared to standard displays with graphics controllers.
- Easy integration of external sources and BYOD sources via the eyeGATE streaming encoder. Thanks to its compact construction the eyeGATE can be integrated into conference tables with minimum space requirements. Parallel multiple eyeGATES can be bundled in racks in the server room.
- Real-time transmission and display of video, audio and image data is possible.
- Sources can be connected via networks, the internet and the cloud: Reasonable with international press conferences or video conference circuits with international locations.
- Expansions and modernizations can be performed easily. Thus it is for example also possible to only exchange the EPU modules at the EPU displays.



Overview eyeCON MetaWall 2.0 for Conference rooms

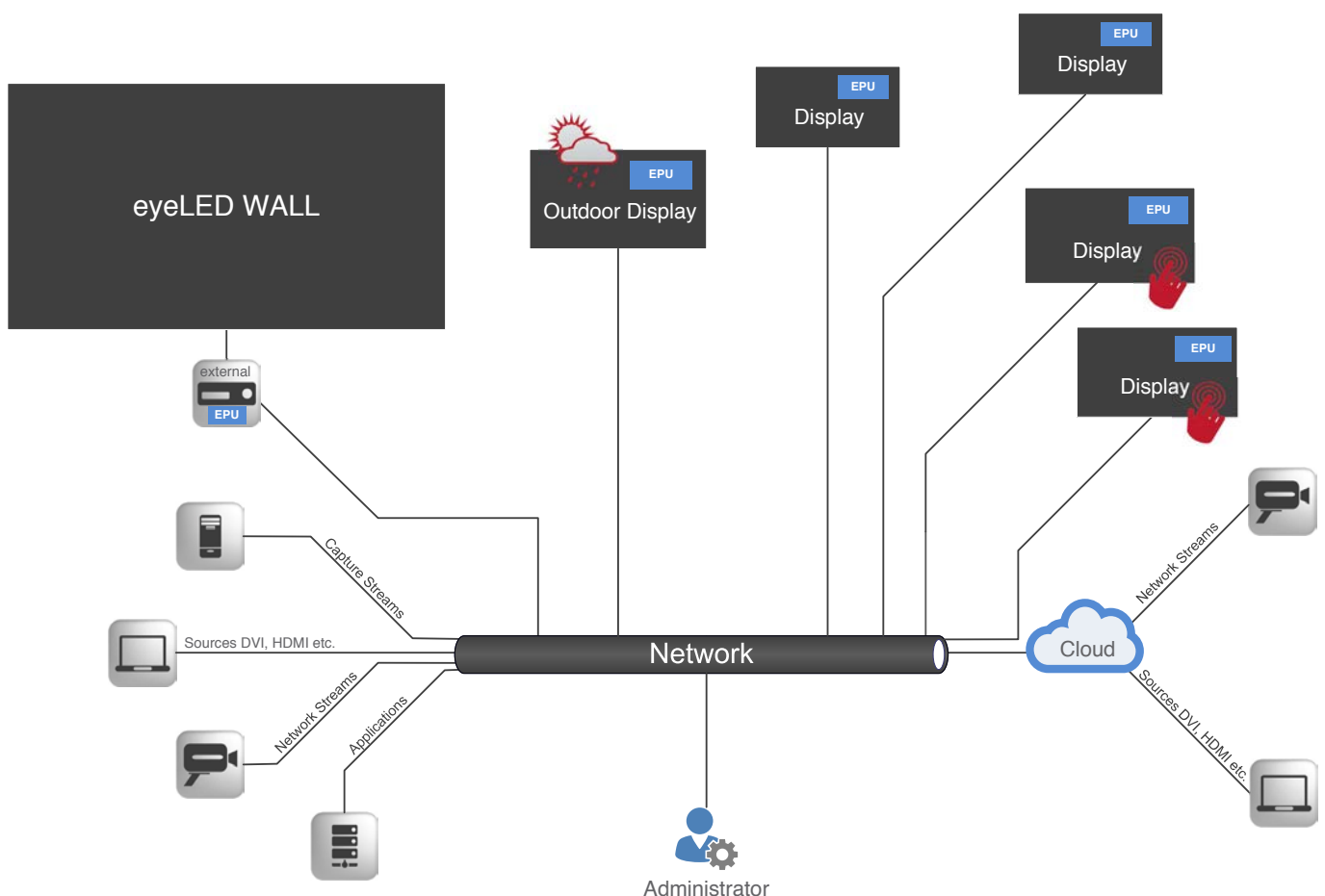
## eyeCON METAWALL 2.0 FOR DIGITAL SIGNAGE NETWORKS:

Central control of digital signage networks for higher availability: In the Digital Signage sector, where revenue depends on the lifetime of displays it's not just a question of high-resolution images, brilliant colours, high brightness and reliable displays. A centrally controlled and highly available signal transmission is also important. eyeCON MetaWall 2.0 enables the central control and transmission of digital signage networks at train stations, airports, hospitals or even throughout whole inner-cities. What is more, eyeCON MetaWall 2.0 enables a signal transmission via standard IP networks, the internet or the cloud. In addition, the displays can be connected to the network and controlled via the cloud.

Since the EPU modules are not just attached to the system like in other comparable solutions but built-in into the casing users have all the advantages of a system on chip (SoC) solution without their disadvantages. They are not bound to a manufacturers' operating system but can freely chose the software and can synchronize all components. Also you can forego a preceding graphics controller. This reduces costs and lowers the susceptibility for failure. Furthermore, existing networks can be easily expanded since new displays can be integrated into the system with just a few clicks.

### THE MOST IMPORTANT BENEFITS AT A GLANCE:

- Central control of a digital signage network is possible, whether for one or several locations.
- Increased flexibility compared to SoC solutions since the users are not bound to manufacturers' operating systems but can choose their software freely and thus can synchronize all of their components.
- Real-time transmission and display of video, audio and image data.
- Simple expansion of existing networks: New displays can be integrated into the system without having to shut it down.
- Easy installation due to same depth: The EPUs are directly implemented in the casings of the displays and are no attached embedded solutions. Thus the EPU displays have the same dimensions than standard LCDs.
- Easy maintenance and modernization since not the whole display but only the EPU module has to be exchanged.
- OPS compatible.
- Different display types available: video wall or stand alone LCDs from 46" to 65", with or without multi-touch systems, indoor and outdoor LCDs, high brightness LCDs up to 700 cd/m<sup>2</sup> and large contrast for brilliant representation also with incidence of daylight.
- Different EPU modules available; properly tailored to different applications.



Overview eyeCON MetaWall 2.0 for Digital Singage Networks



## ) TECHNICAL SPECIFICATION EYE-LCD-EPU DISPLAYS

### LCD PANEL

Model:	EYE-LCD-4600-LE-EPU	EYE-LCD-5500-LE-EPU	EYE-LCD-6500-LE-EPU	EYE-LCD-5500-USN-LD-FX-EPU
Description:	Professional Edge-LED LCD Monitor	Professional Edge-LED LCD Monitor	Professional Edge-LED LCD Monitor	Professional Direct-LED Video Wall LCD Monitor
Screen Diagonal:	46" (ca. 116 cm)	55" (ca. 139 cm)	65" (ca. 165 cm)	55" (ca. 139 cm)
Resolution:	1920 × 1080 Pixel (full HD)	1920 × 1080 Pixel (full HD)	1920 × 1080 Pixel (full HD)	1920 × 1080 Pixel (full HD)
Colours:	1.07 G Colours (10bit)	1.07 G Colours (10bit)	1.07 G Colours (10bit)	1.07 G Colours (10bit)
Brightness:	500 cd/m <sup>2</sup> (typ.)	450 cd/m <sup>2</sup> (typ.)	360 cd/m <sup>2</sup> (typ.)	500 cd/m <sup>2</sup> (typ.)
Contrast:	4000:1 (typ.)	4000:1 (typ.)	4000:1 (typ.)	1400:1 (typ.)
Viewing Angle:	178° H/V	178° H/V	178° H/V	178° H/V
Response Time:	6.5 ms (typ.)	6.5 ms (typ.)	8 ms (typ.)	10 ms (typ.)
24/7 Operation:	Yes (recommended operation 20/7)	Yes (recommended operation 20/7)	Yes (recommended operation 20/7)	Yes (optimized for 24/7 operation)

### CONNECTORS & CONTROL

Inputs:	1× DisplayPort / 2× HDMI 1.3c / 1× DVI / 1× VGA / 1× PC Audio In / 1× IR Extender	1× DisplayPort / 2× HDMI 1.3c / 1× DVI / 1× VGA / 1× PC Audio In / 1× IR Extender	1× DisplayPort / 2× HDMI 1.3c / VGA / DVI / 1× Component / S-Video / AV	Video, Y/C, DVI-I (digital/ analog), HDMI, DisplayPort, RS232 / 1× IR Extender
Outputs:	Audio Out / Speaker Out	Audio Out / Speaker Out	Audio Out / Speaker Out	DisplayPort (loop-through)
Internal Matrix Function:	-	-	-	Yes
Communication Port:	RS232C In	RS232C In	RS232C In	RS232C In/Out (loop-through)
Control:	RS232C, Control Buttons, IR Remote Control	RS232C, Control Buttons, IR Remote Control	RS232C, Control Buttons, IR Remote Control	RS232C, IR Remote Control

### MECHANICAL

Dimensions (W × H):	1068.3 × 620 × 68.6 mm	1257.2 × 728 × 66.3 mm	1522.8 × 897.8 × 68.4 mm	1215.2 × 686 × 105.4 mm
Bezel Width:	ca. 23 mm	ca. 23 mm	ca. 47 mm	1.9 mm b./r., 3.4 mm t./l.
Weight:	22.8 kg (net)	30,2 kg (net)	57 kg (net)	34 kg (net)
VESA Mount:	200 × 400	200 × 400	400 × 400 / 400 × 600	400 × 600

### OPERATING CONDITIONS

Power Consumption:	ca. 135 Watt (max.)	ca. 155 Watt (max.)	≤ 290W (max.)	ca. 230 Watt (max.)
Power Supply	110V – 240V AC, 50/60 Hz			
Operating Temperature:	0°C - 45°C (10 - 90% RH non-condensing)			

### OPTIONS

Touch Surface:	Infrared touch system with up to 32 simultaneous touch point
Installation:	Stands, Wall Mounts, Mobile Display Carts, different Solutions for Video Wall Installations
Housing Colour:	Standard RAL Black, Customised Finishing and Logo Branding on Request

## ) TECHNICAL SPECIFICATIONS EYEVIS PROCESSING UNIT

Model:	EPU-CE-32-8-X-1	EPU-i5-32-8-X-1
CPU Support:	Intel® Celeron® Processor J1900 Quad Core 2.0GHz SoC Processor (fan-less)	4 <sup>th</sup> Generation Intel® Core™ i5-4400E BGA Type Processor
Main Memory:	8GB DDR3L 1333MHz, unbuffered and non-ECC	
I/O Interface-Front:	1× power button / 1× reset button / 3× USB 3.0 / 1× USB2.0 / 1× RJ45 for Gigabit LAN / 1× HDMI / 1× Audio (Line-out/ Mic-in) / 1× 2.5" HDD slot	1× power button / 1× reset button / 4× USB3.0 / 1× RJ45 for Gigabit LAN / 1× HDMI / 1× Audio (Line-out/ Mic-in) / 1× 2.5" HDD slot / 1× RJ45 for RS-232
Storage Device:	1× 2.5" SSD, 32GB, SATA	
Operating System:	Windows 7 for MetaWall, Windows 7 Embedded, Linux	



## EPU-I5-64-8-EXE-1 / -I5-64-8-EXM-1 / -I5-64-8-EXL-1

EXTRERNAL EYEVIS PROCESSING UNIT  
 FANLESS EMBEDDED COMPUTER POWERED BY 4<sup>th</sup> GENERATION INTEL® CORE™ PROCESSOR  
 SUPPORTS DUAL FULL HD VIDEO PLAYBACK AND UP TO 4K RESOLUTIONS

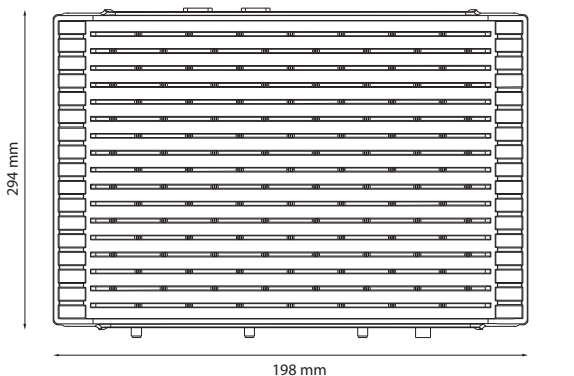


### ) EPU-I5-EX-1 PRODUCT DESCRIPTION

EPU-I5-EX-1, the stand-alone version of eyevis processing units, is a powerful industrial PC solution comprising the cutting-edge technology of 4<sup>th</sup> generation Intel® Core™ processor family series and Q87 integrated graphics controller. The EPU-I5-EX-1 can serve as a powerful digital signage player offering impressive system performance and full HD videos. With support for smooth 1080p video playback on three independent displays, the 1080p signage player can fully satisfy customer's expectation and therefore be used in applications such as advertising, hospitality, brand promotion and digital menu board.

The EPU-I5-EX-1 can also be used as an external processing device for any display type that needs to be integrated into eyevis' eyeCON MetaWalls concept, a fully network-based approach for the distribution of signals and controls.

### ) DRAWING / PICTURES



### ) KEY FEATURES

- 4<sup>th</sup> Generation Intel® Core™ processor
- Intel® integrated HD 4600 graphic engine
- Compact and Slim Design
- 3 independent displays can be driven
- USB 3.0, Dual GbE LAN support
- DirectX 11.1 support
- Enhanced 4K × 2K output support

### ) TECHNICAL SPECIFICATION

CPU Support:	4 <sup>th</sup> Generation Intel® Core™ i5-4400E BGA Processor
Chipset:	Intel® Q87 Intel® integrated HD4600 graphic engine
Main Memory:	8 GB RAM
I/O Interface-Front:	1× power status LED 1× HDD status LED 1× power switch 1× reset switch 2× USB3.0 2× DB9 for RS-232
I/O Interface-Rear:	1× +12V DC-in 3× HDMI 2× USB3.0 2× RJ45 with LED for 10/100/1000Mbps Ethernet 1× SPDIF 1× Line-in/ 1x Line-out
Storage:	1× SATA 2.5" SSD 64GB
Construction:	Aluminium top cover for main heat exchange Black steel-made chassis
Dimensions: (W×H×D)	294 mm × 198 mm × 52 mm (11.6" × 7.8" × 2.0") w/o mounting bracket
Power Supply:	1× External 80W AC/ DC adapter Input: 100~240VAC Output: +12VDC
Environment:	Operating temperature: 0°C to 40°C Storage temperature: -20°C to 80°C Humidity: 10 to 90% (non-condensing)
Certification:	CE approval FCC Class A
Operating System:	Windows® 7 / Embedded / Linux
Ordering Information:	EPU-I5-64-8-EXE-1 -> Windows 7 EPU-I5-64-8-EXM-1 -> Windows 7 Embedded with MetaWall EPU-I5-64-8-EXL-1 -> Linux



## FURTHER COMPONENTS OF THE eyeCON METAWALL 2.0 CONCEPT

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### THE LCD MONITORS FROM THE eyeLCD SERIES

With the eyeLCD series eyevis provides a comprehensive product range of professional LCD monitors for any application in the areas of presentation and information as well as control rooms. Single monitors with Full-HD resolution and screen diagonals from 46- to 90-inch belong to the product range as well as different display types with Ultra-HD/4K resolution with screen diagonals up to 84-inch.

For LCD-based video walls we offer different types of seamless LCD monitors. Thanks to the thin bezel of the devices the visible mechanical gap between the individual screens in a video wall could be reduced to only a few millimetres. The robust design and the internal matrix-split functionality ease their assembly in a video wall in rental applications but also for fixed installations.

For especially demanding applications the eyeLCD series also offers devices which under warranty can be operated in 24/7 mode without image retention effects caused by static image contents. There are also displays available for the installation in challenging environments, for example in protected outdoor areas. To ensure best readability even in difficult light conditions, the range is completed by LCD monitors with high-brightness panels. Thanks to their extraordinary bright display best image quality is guaranteed even at exposure to direct sunlight.

The devices from the eyeLCD series can be upgraded with various optional features and accessories. All monitors can be ordered with a customized finishing for the housing. For the interactive display of information a high-quality touch solution with up to 32 simultaneous touch events is available for all LCD models or even video walls with screen diagonals up to 200 inches. The displays can be integrated into the MetaWall 2.0 concept via the implemented EPU, the external eyeProcessing Unit EPU-15-EX-1 or the direct connection to a netPIX graphics controller.

As a provider of complete solutions, eyevis of course also offers diverse solutions for the integration and installation of all of our products. To complement our comprehensive offer, a broad range of accessory devices, such as signal splitters, transmission

systems, or split controllers, as well as various mounting solutions for individual monitors or video walls.

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### THE REAR PROJECTION CUBES FROM THE ecCUBE SERIES

eyevis cubes, with their established DLP®-technology, are first in line in terms of professional video wall systems. They are absolutely unsusceptible to image burn-in, a permanent negative interference of the image quality caused by displaying static content. They can be integrated into the eyeCON MetaWall system via the external eyeProcessing Unit EPU-15-EX-1 or the connection to a netPIX graphics controller.

In addition, DLP® cubes with innovative Cluster LED technology provide the only option to realise practically frameless video walls for continuous operation in control rooms and security centres. In combination with their outstanding colour and brightness properties, this makes them the perfect choice for challenging video wall system applications. The latest version of our LED cubes uses innovative Cluster LEDs as light source for the projector. These do not only provide higher brightness levels but enhanced reliability and less power consumption.

Being able to incorporate so many functions, the Cubes are ideally suited for application areas depending on particularly quick and reliable capture as well as on unambiguous displays of a wide range of situations.

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### eyeLED – SEAMLESS, SHARP AND BRIGHT

With our new LED modules from the eyeLED series, eyevis presents LED display technology with an image definition never seen before. Thanks to a minimal pixel pitch the viewer gets a stunningly sharp impression of the displayed image even from shorter viewing distances. The awesome brightness level and the uniform display surface further enhance this brilliant visual perception without visible gaps between the individual modules. The new LED modules with a pixel pitch of only 2mm and below are a first choice for video walls in TV studios, presentation areas, at events or live-shows. Here, the new LED technology creates an additional high-quality element for eye-catching image display.

Besides the super-fine pixel shift, the decisive benefit of eyevis new LED technology is the sophisticated design of the products from the eyeLED series. This includes the robust mechanic construction an integrated image processing for the LED modules. They also can be integrated into the eyeCON MetaWall system via the external eyeProcessing Unit EPU-I5-EX-1 or the connection to a netPIX graphics controller.



### THE CONTROLLERS OF THE netPIX SERIES

netPIX controllers of the latest eyevis generation present the ideal, individually configurable control solution for video wall systems. The controllers produce a single coherent surface over all display modules in a video wall, so that the user has a large desktop surface available on which sources and win-

dows of all kinds may be placed and scaled freely. The new netPIX 4900 graphic controller sets performance standards for the control of video walls and for signal transmission. With new input and output cards, a new Switch-Fabric-Backplane and an optimized housing concept the new netPIX 4900 provides the input and output processing of 4K/QHD signals and the transmission of audio over HDMI. In addition, service and maintainability was improved, which lowers downtimes.



At present the series consists of two network-based graphics controllers, the netPIX 4900 and the netPIX 4900 Plus, as well as two IP streaming video decoder, the IPD32 and the IPD32HQ. The new IPD32HQ complements the existent IPD32 and is able to decode two 4k signals, 16 HD signals or 32 D1 signals simultaneously. What is more, both the IPD32HQ and its little brother IPD32 support flexible individual Codecs as well as customised systems. As a member of ONVIF eyevis furthermore has integrated the ONVIF profile s-standard. Both eyevis decoders thus support more than 2500 camera models of various manufacturers.



### THE ECS-810 eyeCON CONTROL SERVER

The eyeCON control Server (ECS) is the central database server for the eyeCON MetaWall 2.0 concept. All relevant information for the wall management can be stored and called-up again centrally at the ECS, which allows control of your large screen system from any workstation within the network. All systems and clients have access to the database on the ECS, which prevents faulty operation and long reconstruction processes.

The database is located on the ECS which functions as the central device for the configuration and administrative control of the complete system. Additionally the ECS can be used as data-bank server for the netPIX family and the eyeCON wall management software. If all components are equipped with a Paragon installation, the ECS can be used as a central backup server for the netPIX family. Since the ECS is also equipped with a Windows Server operating system and multiple network cards, it can be connected parallel to multiple networks and act as an interface to different customer networks.



### THE eyeGATE STREAMING ENCODER

The eyeGATE streaming encoder is the professional tool for the distribution of video signals over standard network (TCP/IP). The eyeGATE encodes DVI and HDMI signals with a resolution of up to 1920x1200 pixels and 60Hz with a high quality H.264 compression and a base, main or high profile for a bandwidth of only 1–12 MB/s. With the integrated chroma subsampling filter, the eyeGATE achieves a transmission quality corresponding to a 4:2:2 chroma subsampling. The device also supports multicast and unicast transmissions.

The stream can be controlled via eyeCON MetaWall 2.0. Any decoding-capable device inside the network can receive the stream. This can be a netPIX graphics controller, a display with embedded IP decoder or any PC-workstation with installed eyeCON client software. The robust hardware of the eyeGATE solution provides a real-time encoding of DVI and HDMI signals and is designed for reliable 24/7 operation. The detection of the signal runs automatically. With the eyeGATE it is also possible to transmit an audio signal. eyevis provides the eyeGATE in various versions for different kinds of installations: as stand-alone version, as component of a netPIX controller, or as rack-mount version in a pack of ten with redundant power supplies.

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### THE eyeCON WALL MANAGEMENT SOFTWARE V5.5

eyeCON is the universal and complete software solution for operating video walls, including all connected sources as well as the distribution and exchange of information in control and presentation rooms. Its highly simplified operating concept shortens response times and offers excellent performance. An entirely new graphic user interface and numerous innovative features, such as MultiMouse (for simultaneous work on the video wall by several users) expand the performance of the software to an extent not previously known. A frictionless collaboration of the individual systems and components with one another is an essential benefit in the areas of security and control. The entire configuration will

be carried out in only one setup (eyeSetup) – regardless of where in the network the user is located – and can therefore be initiated from each workstation PC that has the respective system rights.

With the new active directory support eyeCON V5.5 can also better be integrated into existing network and user structures. Due to the active directory support existing user rights can directly be transferred to the rights management of the eyeCON V5.5 software. Group assignments, authorizations, hierarchical structuring or areas on the large scale video wall can be freely defined for each user. Authorized users who have registered on their computer can directly open and control eyeCON V5.5 without having to register once again.

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**About eyevis**

eyevis, German manufacturer and installer of large screen solutions, is a leading provider of visualisation systems for professional applications in control rooms, virtual reality and simulation as well as broadcast and digital signage. eyevis has a worldwide network of subsidiaries and resellers. eyevis is one of very few manufacturers on the market providing complete systems. eyevis one-stop solutions include display systems, graphics controllers and wall management software solutions.

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