

# CUC 7-40, X-88 & 5X-88 series

Video wall controller solutions



## CUC series

### POWERFUL WALL CONTROLLER

EyeVisual's nine and eleven slot video wall controllers have been designed for environments that demand high performance and reliability. The CUC series systems provide solutions for mission control rooms, defence installations, logistic operations, security suites and many other command and control applications.

The CUC range has been developed to support EyeVisual's world class INSight capture, OUTSight output graphics and IP CtC decoding cards. This allows physical and IP video sources to be displayed on medium and large scale video walls. Operators have the freedom to see any source on single screen or multiple screen layouts.

Each system in the range of CUCs is available with Windows® 10 to ensure the highest performance available.

### EXCELLENT INTEL® PROCESSING

The CUC range of industrial PCs include either a nine or eleven slot PCIe backplane.

The switched fabric technology provides high bandwidth Gen3 PCIe slots. Each slot is capable of delivering high resolution bandwidth from a range of capture cards to multiple outputs.

The CUC range is highly customisable. Systems are available with a 7th generation Intel® Core i7, single E3 Xeon or high performance dual E5 Xeon processors.

Systems are available with either 240GB or 480GB SSD drives and up to 128GB of memory.

In order to maximise airflow, the 4U chassis has been custom designed to allow more air into the system. This keeps temperatures low and reduces fan noise.

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 **EyeVisual**  
since 2009

# Advanced graphics display technology

## CUC SYSTEMS

The CUC systems are available with Windows 10 in the following variants:

1. CUC 7-40 - nine slot system with an Intel® Core i7 processor, 32GB of RAM and dual 240GB SSD drives. The CUC 7-40 comes with RPSU power option as standard.
2. CUC X-88 - 11 slot system with a single Xeon processor, 32GB of RAM, dual 240GB SSD drives and an RPSU power supply.
3. CUC 5X-88 - 11 slot system with dual Xeon processors, 64GB of RAM, dual 240GB SSD drives and an RPSU power supply.



## SPECIFICATION

### MOTHERBOARD

**CUC 7-40**  
Portwell ROBO81113-Q170  
**CUC X-88**  
Portwell ROBO81113-C236  
**CUC 5X-88**  
Advantech PCE-9228G2

### PROCESSOR

**CUC 7-40**  
7th generation Intel® Core i7  
Clock speed 3.6 GHz. 8MB cache  
**CUC X-88**  
Single E3 Xeon  
Clock speed 3.6 GHz. 8MB L3 cache  
**CUC 5X-88**  
Dual E5 Xeon (E5-2618L v3)

### MEMORY

**CUC 7-40 & CUC X-88**  
32GB (Maximum)  
**CUC 5X-88**  
64GB (128GB Optional Upgrade)  
**Ethernet**  
Dual 10Base-T/ 100Base-TX/  
1000BaseT  
**On-board Graphics**  
DVI for CUC 7-40 & CUC X-88  
VGA for CUC 5X-88  
**RS232**  
For control

### DISK STORAGE

**Hot swappable SSD**  
2 x 240GB (RAID 1)  
Upgrade option: 2 x 480GB SSD

## RELIABILITY

EyeVisual's CUC video wall controllers have been designed for use in demanding control room environments. Each component has been rigorously tested to ensure high levels of performance and reliability. For added peace of mind, systems can be pre-installed with Wall Monitor software.

Wall Monitor is an application that warns operators if a system begins to function outside of normal parameters. Alarms can be set to indicate changes in voltage and temperature.

## COMPATIBILITY

All of the EyeVisual's CUC series wall controllers are compatible with Windows 10 LTSB operating system<sup>2</sup>.

## MODELS AVAILABLE

Order Code: CUC 7-40-RPSU

Order Code: CUC X-88-RPSU

Order Code: CUC 5X-88-RPSU

Upgrade options are shown in the below table.

### CONNECTIVITY

**USB**  
2 x 3.0 (back panel)  
6 x 2.0 (2 front, 2 back, 2 internal<sup>1</sup>)

### BACKPLANE

**Features**  
3rd generation PCIe switched fabric **with**  
1 slot x8 - 8GB/s uplink and downlink  
8 slot x4 - 4GB/s uplink and downlink **or**  
11 slot x8 - 8GB/s uplink and downlink

### POWER

**CUC 7-40**  
600 Watt Hot swappable RPSU  
**CUC X-88 & CUC 5X-88**  
800 Watt Hot swappable RPSU

### OPERATING TEMPERATURE

0 °C to 35 °C / 32 °F to 95 °F

### STORAGE TEMPERATURE

-20 °C to 70 °C / -4 °F to 158 °F

### RELATIVE HUMIDITY

5% to 90% non-condensing

### NOISE

48.6dB (A) up to 67.9dB (A)  
Dependent on system config & ambient temp

### DIMENSIONS

**Size**  
500mm (l) x 175mm (h)  
x 482.1mm (w)

### Weight

19kg - 25kg (shipped 30kg - 33kg)

### COMPLIANCE

CE / RoHS / UL

<sup>1</sup> Internal ports for security dongles.

<sup>2</sup> EyeVisual systems are not compatible with Windows 10 Home edition.

All products are shipped with the latest software versions, unless stated otherwise. The specification stated is a minimum only. Higher specification systems may be provided without prior notice. Special requirements may be organised by contacting our Sales team.

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