

TransForm ECU-110

Preconfigured and easy to use high-res video wall controller



TransForm ECU-110 is a powerful video wall controller, designed to perfectly master even the largest video walls. With its modular architecture, the TransForm ECU 110 is capable of capturing and displaying the high amounts of video sources, IP streaming sources and graphical application data available in control room environments. Running standard Windows OS on a latest generation Intel QuadCore CPU, TransForm ECU-110 is a powerful platform for running applications directly on the video wall controller.

With Barco's Control Room Management Suite CMS in combination with the networking and IP stream handling capabilities, the ECU-110 can either be operated standalone or be seamlessly integrated in a full TransForm N collaboration environment.

High density for large number and diverse types of sources

The TransForm ECU-110 range of input cards supports a high number of directly connected DVI/RGB- and Analog Video sources, in a particularly compact configuration. Configuring the ECU-110 with one or multiple Stream Capture Units (SCU), opens the door to universal IP streams decoding. Here, Barco brings the most comprehensive and future proof, extendable list of supported IP stream formats to the TransForm ECU-110 platform.

Thanks to its modular and scalable architecture, TransForm ECU 110 also delivers the capacity for seamlessly and synchronously driving almost any type and size of video wall.

Applications running natively on large Windows desktop

Equipped with high performance Intel® Core™ i7 Quad Core processor and in combination with the multi-GPU graphic system architecture, TransForm ECU-110 is

the preferred controller for running demanding applications on the large Windows™ desktop with a high-res display canvas covering to the complete video wall.

Standalone wall controller or fully networked

Whereas TransForm ECU-110 is a perfect solution in many single wall installations as a Standalone Wall controller, it can as well be easily and fully integrated into a networked TransForm N system. As such, it behaves as a TransForm N output node and application node with additional local source capture capabilities. It is then an integral part of a collaborative system environment, managed by the Control Room Management Suite (CMS).

Control Room Management Suite CMS included

TransForm ECU-110 can come pre-installed with the advanced Barco Control Room Management Suite (CMS) software. For standalone installations not requiring the collaboration features of CMS, the TransForm ECU 110 is also available with the Barco Display Control Management system.

Easy and Reliable

TransForm ECU-110 meets all demanding 24/7 control room visualization needs, supporting redundancy and hot-plug capability features for the critical components. Furthermore, the system is easy to install and easy to use. It comes pre-configured out of the box, assuring a simplified and hassle-free setup.

Available as a control room package

To make the selection simpler, Barco also offers complete packages, containing this controller (with the needed software), and a number of optional components. This includes a tiled LCD video wall, wireless presentation system, and/or free-standing structure. In this way, you can order your complete control room in one complete package.

- Standalone video wall controller
- Can be easily extended to a fully networked controller
- Drives even the largest video walls with all outputs synchronized
- Large Windows Desktop support
- Large number of input channels
- IP-Streams capture and decoding through Stream Capture Unit, with the most extensive and extendable list of IP streaming source types
- Compatible with full TransForm N networked environment
- Optional available with either
 - Barco Display Control Wall Management software, or
- Barco Display Control Wall Management software, or Barco Control Room Management Suite CMS
- Barco Control Room Management Suite CMS

Product specifications**TRANSFORM ECU-110**

General specifications	
Dimensions	19" Rackmount
Power supply	100-240VAC 500W+500W, Hot-plug redundant
Operating conditions	
Operating temperature	0°C to 35°C (32°F to 98°F)
Storage temperature	-20°C to 70°C (-4°F to 158°F)
Software	
Management	Selectable options: -Barco Control Rooms Management Suite CMS, or -Barco Display Control DCS
Operating system	Windows7 64bit Ultimate Version
Processing	
CPU	Intel Core i7 Quad Core Processor
CPU frequency	3.4GHz (up to 3.8GHz)
Memory	16 GB RAM
Hard disk	2x 500 GB RAID-1, hot-plug redundant
Optical drive	DVD R/W
Network	2x 1Gb/s LAN
System backplane	9-slot PCI Express backplane
System expansion	With up to 2 expansion chassis the system can be configured to support up to a total of 25 input and output cards
Outputs	
Graphics card	4ch Graphic card Max resolution: -2560x1600@60Hz (Display Port) -1920x1200@60Hz (DVI) Up to 48 standard HD displays Up to 96 Barco HD displays Supports Windows desktop sizes up to 32768x32768 pixel
Inputs	
DVI	2ch DVI Input Card, supporting -DVI signals up to 1920x1200@60Hz -RGB signals up to 170 MHz pixel clock -Up to 32 DVI sources per system
DVI-DualLink	1ch DVI-DL Input Card, supporting -DVI signals up to 4kx4k, up to 330MHz pixel clock -Up to 16 DVI-DL sources per system
Analog video inputs	8ch Analog Video Input Card, supporting -PAL, NTSC, SECAM -Input formats Composite, S-Video -Up to 128 AV sources per system
IP Streaming Input	Stream Capture Unit SCU: -Multiple standards supported: MPEG2, MPEG4, H.264, MJPG, V2D (Check our website for the updated list of supported encoders and cameras) -Up to 24/8 SD/HD streams per SCU Model D -Up to 12/4 SD/HD streams per SCU Model S -Up to 8 SCU's per ECU-110 IP streaming requires the Barco Control Rooms Management Suite to be installed!
Certification	
EMC	CE, FCC Part 15 Class A, CISPR 22, ICES--003
Safety	UL/CSA/EN/CCC/BIS/IEC 60950-1 CB report
Available models	
Available models	-R9839110_A01: ECU-110 controller 4OUT 4DVI DCS -R9839110_A02: ECU-110 controller 8OUT 8DVI DCS -R9839110_A03: ECU-110 controller 12OUT 6DVI DCS -R9839110_00X: ECU-110 controller (Custom configured system)

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