

EMS-110

Enterprise media server



The EMS is part of Barco's innovative networked visualization solution. This device contains multiple services to process and redistribute up to 70 channels of streaming video. Compatible with a continuously growing list of encoders and cameras, the EMS combines versatility with best in class performance.

Features:

- Manages and harmonizes up to 70 channels up to a maximum aggregated bandwidth of 300 Mbit/s of streaming video
- Pre-processes the streams on the fly and feeds them to Barco's universal decoders, guaranteeing low-latency processing
- Integrated watchdog functionality ensures high availability of the streaming video
- Continuously growing list of compatible encoders/cameras, including support for high frame rate and megapixel images
- Supports UDP streams (elementary & transport streams) & TCP streams (Milestone XProtect, ...)
- Load reporting allowing higher level resource management
- Supports NIC bonding (active fail-over of device network port)

- Supports redundant cluster (fail-over from one device to another)
- Supports swapping sources in a layout
- Supports touring of sources over time in a layout
- Easy integration into 3rd party video management systems through URI based APIs
- Network relay from unicast to multicast and vice versa
- Integrates with Barco central management software

PRODUCT SPECIFICATIONS**EMS-110**

Inputs	
Bandwidth	300 Mbit/s (max)
Outputs	
Channel outputs	64
General specifications	
Processor	Intel(R) Core(TM) i5
Software	Barco EMS Stream Management and Harmonization system
Operating system	Linux
Memory	8 GB RAM
Hard disk	128 GB Industrial SSD
Network	2 x 1 Gb/s LAN
Power supply	External PSU 150W / 90 – 264 VAC / 47 – 63 Hz
Power consumption	Typ. 83W max. 109 W
Inrush current limiting	174A @230V / 72.5A @115V
Heat dissipation	283 BTU/h
Temperature range	0° -40°C 32° -104°F
Humidity	Max 80% (non-condensing)
MTBF	47,500 h
Noise Level	Max. 32dba (measured at 1m/32.8ft distance at 22°/72°F)
Regulation Compliance	CE, CB, UL, RCM, BIS, CU-EAC, CCC, KC, FCC Class A, CCC
Model	P110
Form factor	60 x 190 x 190 mm 2.36 x 7.48 x 7.48 in Packed: 230 x 260 x 308 mm 9.06 x 10.24 x 12.13 in
Weight	2.2 kg (4.5 kg packed)
Package content	1x EMS-110 Server 1x Power Supply 1x Mounting bracket set 1x Vertical stand 1x Region specific mains cable (option)
Article number	R9811011F EMS-110 Media Server (EU Power Cable) R9811011B EMS-110 Media Server (US Power Cable) R9811011G EMS-110 Media Server (UK Power Cable) R9811011I EMS-110 Media Server (CN Power Cable) R9811011X EMS-110 Media Server (C13C14 Power Cable) R9811011 EMS-110 Media Server (No Power Cable included)
Mounting	R9811098 P110 VESA Mount (for 1x OPS-110 + 1x PSU) R9811099 P110 Rack Mount (for 2x OPS-110 + 2x PSU)

Last updated: 06 Aug 2020Technical specifications are subject to change without prior notice. Please check www.barco.com for the latest information.