



ADVANCED AV DISTRIBUTION AND CONTROL FOR MODERN NETWORKS

MCX is the next-generation AV-over-IP matrix switching and video distribution solution from Black Box. MCX drives 4K 60 Hz video and audio over IP and enables AV and data payloads to exist on the same IT network, reducing network management time and costs.

MCX delivers the video quality high-end AV applications require to display eye-catching content: It extends up to 4K 60 Hz 4:4:4 video to an unlimited number of displays without sacrificing latency, video quality, or bandwidth. Even better, it supports up to 10-bit HDR using Software-Defined Video over Ethernet (SDVoE™) – the latest software-based AV-over-IP platform for extension and control of AV systems on Ethernet or fiber networks.



MCX-G2-CTRL-24



MCXG2EC01



MCXG2DF01

MCX Product Family Comparison Chart

| | Input Type | Connectivity | SDVoE 4K 60 Hz | Scaling | USB |
|---------------------|------------|------------------------|----------------|---------|-------------|
| MCXG2EC01 | HDMI 2.0 | 10-GbE Copper or Fiber | Yes | Yes | USB-C |
| MCXG2EF01 | | | | | |
| MCXG2DC01 | HDMI 2.0 | 10-GbE Copper or Fiber | Yes | Yes | USB-A |
| MCXG2DF01 | | | | | |
| MCX Gen2 Controller | N/A | 1-GbE LAN Interface | N/A | N/A | USB-A/USB-C |

DELIVERS UP TO 4K 60 HZ 4:4:4 VIDEO

Extend up to 4K 60 Hz 4:4:4 video to an unlimited number of displays without sacrificing latency, video quality, or bandwidth.

ZERO SOURCE TO DISPLAY LATENCY

Overcome source to display latency with glass-to-glass encoding and decoding that happens in real time (0.03 milliseconds).

SEAMLESS SWITCHING

Switch between video sources in less than 100 milliseconds with no artifacts or screen blink

ADVANCED VIDEO WALL CAPABILITIES

Increase versatility in video wall deployments with advanced video scaling options, such as multi-view, picture-in-picture, split screen, and more.

COMPLETE CONTROL

Control your entire audio/video system from your preferred web browser with the MCX Web UI.

FLEXIBLE DEPLOYMENT

Deploy on 10G Ethernet networks using copper, fiber or both.

COMPREHENSIVE CONNECTIVITY

Connect to your MCX through its variety of ports: discrete RS-232, IR, secondary audio channel plus a separate 1-GbE connection.

DEVELOPED WITH THE LATEST TECHNOLOGY

SDVoE distributes AV without negatively affecting network performance, functionality, or capability.

GEN2 ENDPOINT FEATURES

The encoders support a local display via an HDMI loop-through connector. No room for power? MCX uses Power over Ethernet (PoE) so you don't need to install MCX near an outlet. Plus, USB C connectivity ensures that MCX works with modern interfaces, and an ASIC-based circuit board reduces heat generated and power consumed.

