



## ADVANCED AV DISTRIBUTION AND CONTROL FOR MODERN NETWORKS

MCX, a modern matrix switch for AV-over-IP and video distribution from Black Box, 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.

Control your MCX system with the MCX Gen2 Controller for easy deployment, configuration and management, and command your install with the tap of a button or swipe of a touchpad using Black Box ControlBridge®.



MCX-G2-CTRL-24



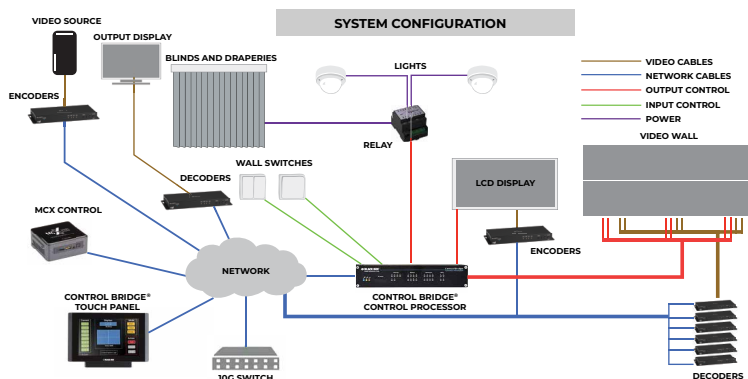
MCXG2TD11



CB-TOUCH12-T

### MCX Product Family Comparison Chart

	Input Type	Connectivity	SDVoE 4K 60 Hz	Scaling	USB
MCXG2EC01	HDMI 2.0	10-GbE Copper	Yes	Yes	USB-C
MCXG2EF01	HDMI 2.0	10-GbE Fiber	Yes	Yes	USB-C
MCXG2DC01	HDMI 2.0	10-GbE Copper	Yes	Yes	USB-C
MCXG2DF01	HDMI 2.0	10-GbE Fiber	Yes	Yes	USB-C
MCXG2TD11	DisplayPort	10-GbE Copper or Fiber	Yes	Yes	USB-A/ USB-B
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 using the MCX Gen2 Controller, which provides an easy-to-use interface for managing your system to form a distributed video matrix, a multiviewer system, or a video wall system.

### 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

Encoders and transcoder support a local display via a 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.



SDVoE™

