



Emerald

New features for mission-critical environments

Built for the demands of mission-critical environments, the latest Emerald features deliver smoother switching, clear indicators of connection interruptions, and greater flexibility to connect and manage essential systems.

NEW: Seamless Switching - Rapidly Change sources without visual interruption

Keep your view clear as you switch between critical systems, without a black screen between connections at the same resolution.

A black screen during a source change can make operators pause or wonder whether the connection has failed. Seamless switching removes that visual interruption, helping them move between critical systems with less distraction.

Available on EMERALD SE, PE, 4K, and 4K²

More flexibility for Emerald 4K/4K²

The following features are supported only on Emerald 4K and 4K² appliances.

- **NEW: Freeze Frame - Keep Critical Information in View**

When a connection is interrupted, Freeze Frame holds the last good image, while a configurable coloured border and on-screen timer clearly flag that the view is no longer live letting operators know how long the displayed image has been frozen. Once communication is restored, live video resumes automatically.

- **NEW: Serial Extension - Keep essential controls within reach**

Operate serial-connected equipment from your Emerald 4K/4K² receiver, even when the source PC is located elsewhere. Commands travel over the Emerald 4K connection, with configurable settings to match your device.

- **NEW: Direct connections to two computers - Access two critical systems with fewer dependencies**

Connect your Emerald 4K/4K² (receiver) directly to two Emerald 4K/4K² (transmitters) and switch between them without a network switch. This dedicated setup simplifies connectivity and reduces reliance on shared network infrastructure.

- **NEW: Connection Port Selection - Put critical connections on the intended path**

Assign each transmitter connection to SFP Port 1 or Port 2 on your Emerald 4K/4K² receiver. Matching connections to your network layout allows operators to reach the required systems through the intended link making connection paths more predictable and troubleshooting easier.

- **NEW: Management port selection - Fit management access to your network**

Allows users to select either the SFP port or the RJ45 port as the management interface for Emerald 4K/4K² appliances

- **NEW: RJ45 IP Management**

Enables users to configure and manage IP settings for RJ-45 ports through the on-screen display (OSD) and Emerald Boxilla manager. This flexibility helps teams set up and troubleshoot connectivity from the access points that are available to them.

Explore the new Emerald features with your Black Box representative.