Zio Transportable Command Center

Rugged, Deployable, Wireless, Hand-Carried or Vehicle Mounted

The *Zio*® Transportable Command Center (TCC) from RGB Spectrum is a fully integrated, mobile AV-over-IP solution designed for fast, flexible, and secure deployment.

Built on RGB Spectrum's powerful *Zio* platform, the TCC combines multiview display, encoding, decoding, video wall processing, and bonded cellular/SAT communications—in a rugged, lightweight form factor. Weighing under 70 pounds, the TCC is compact enough for hand-carry and can be set up and fully operational in minutes—just connect displays, sensors, local and networked computers.

At the heart of the TCC is a high-performance video processing system that aggregates up to seven local computer/video inputs plus remote networked video, enabling operators to view and control visual sources across internal or external monitors, even video walls.

The system supports H.264/H.265 encoding/ decoding as well as VNC, for secure, high-quality video transport across LANs and WANs.

For wireless communications, the TCC offers advanced network gateway connectivity over bonded 4G/5G/LTE cellular and satellite networks, plus local Wi-Fi hotspot services.
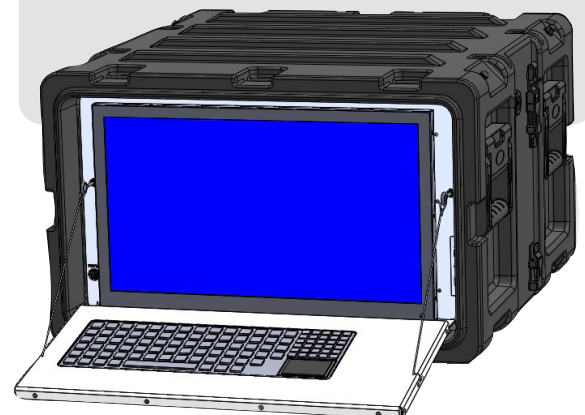
Used as a standalone system or networked with other TCC units or a central command center, the TCC delivers unmatched capability for situational awareness, data visualization, and a common operating picture across a wired or wireless network.

The TCC is available in two configurations to meet deployment requirements. The first is a rugged, shock-mounted 5RU travel case, designed for ease of transport and field deployment. A custom dolly is available for easy transport. The second is a 5RU rackmount for installation in a vehicle-based mobile command center (MCC) or a temporary installation. Both options include an internal 18.5-inch display and accessible front and rear panels for easy I/O and network connections. In addition, custom configurations with more I/O and an internal computer are available upon request.

Purpose-built for emergency and field operations in public safety, defense, and industrial operations, the *Zio* TCC is ideally suited for incident command posts, disaster response centers, mobile TOCs, and UAS/ UAV ground stations, wherever a command solution may be required.
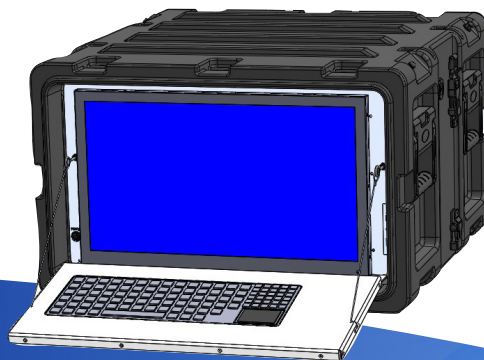
Key Features

- **Fully Integrated AV-over-IP System**
  Combines video wall processors, encoders/decoders, computer, network switching and display in a single rugged unit.

- **Multiview Video Signal Aggregation**
  Supports simultaneous viewing and control of up to seven local 4K inputs plus networked video sources.

- **Flexible Display Output**
  Drives an internal monitor plus up to six external displays at up to 3840x2160p60 each.

- **Encoding and Streaming**
  3x Video inputs plus a multiviewer system output can be encoded for transmission.

- **Optional Advanced Network**
  Integrated Wi-Fi gateway with bonded 5G/LTE/SAT communications for resilient, high-bandwidth mobile operations.

- **Lightweight and Rugged**
  Weighs only 60-70 lbs, depending on configuration, housed in a 5RU shock-mounted mobile rack for easy carry or standard rack for vehicle mounting.

- **Made in the U.S.A.**

CONFIGURATION OPTIONS

Form Factor	• 5RU rugged, shock-mounted travel case • 5RU standard rack

VIDEO

Video Input	• 7x HDMI 2.0 inputs
Video Output	• 6x HDMI 2.0 outputs (up to 3840x2160p60)
H.264/H.265 Encoding	• 4x channel encoding of video inputs • 1x channel encoding of multi signal output

NETWORKING

Wired LAN	• 3x 1GbE
Wireless LAN	• Wi-Fi 6
Wired WAN	• 1x 1GbE
Wireless WAN	• Standard optional bonded signal, dual-SIM card, cellular service; SAT • Standard single-SIM cellular service

PC

Operating System	• Windows® 10 Enterprise IoT LTSC
Storage	• 128GB available

DISPLAY

Type	• High Brightness
Size	• 18.5"
Resolution	• 1920x1080, 60Hz
Brightness	• 300 cd/m2

PHYSICAL

Form Factor	• Transportable rack case • Standalone rack
Dimensions (H x W x D)	• Transportable rack case: 15.25" x 24" x 31.5" • Standalone rack: 11" x 21" x 22"
Weight	• 60-70 lbs., depending on configuration

made in USA

TCC in the Rugged Transportable Configuration Basic Set-Up
Additional I/O Offered as Options

RGBSPECTRUM

Contact us to learn more.
RGB Spectrum HQ: **1-510-814-7000** · Contact your sales manager: **rgb.com/contact.**

1101 Marina Village Pkwy, Suite 101 · Alameda, CA 94501