

Choreon - Choreograph the impossible



Specifications

Choreon, the next evolution in T-Motion controller, is named for its ability to choreograph, synchronize and flawlessly execute every movement across the EVS T-Motion Camera Robotics ecosystem.

- **Central control system for all T-Motion systems**, namely the **OmniGlide XY Roving Pedestal**, **Telescope jib**, Televator column, **TeleGlide** tracks, **Arcam robots**, **X-Fly Cablecam**, and various Pan-Tilt heads. **3rd Party PTZ cameras** are also supported.
- **Integrated enhanced AI**: next-level intelligence powers advanced reFrame capabilities, smart pathing, and dynamic motion profiling, enabling operators to achieve near-automated excellence with fewer steps and greater creative freedom.
- **EVS ecosystem**: blends effortlessly across EVS platforms, delivering unified operation and intelligent AI interoperability.

Next generation user experience

- **High brightness 10.1" optically bonded touch-screen** (1200×800, 800 nits) for superior visibility and responsive multitouch control.
- **LED-enhanced encoders** deliver precise, tactile operator feedback.
- **Haptic joysticks** provide immediate natural feedback of collision warnings during live operations.
- **Telekeys**: best-in-class tactile dynamic keys engineered for fast, confident switching in high-pressure environments.

More efficient, more powerful computing

- **Intel Core Ultra 7 155H** (16 Cores/22T with ARC GPU + NPU) ensures future-proof processing, advanced graphics, and AI-accelerated operations.
- **NPU with up to 11 TOPS** of compute drives real-time intelligence and motion optimization.
- **Hybrid 6 Performance + 8 Efficient + 2 Low Power E cores** provide responsive yet energy-efficient control.
- **Windows 11 IoT 2024** ensures long-term stability, security, and support (EOS 2034).

Modernized connectivity

- **HDMI 2.1 TMDS** with support for up to four simultaneous displays for expanded monitoring and workflows.
- **Dual 2.5GbE** ports for fast and resilient IP-based production networks.
- **USB4 / Thunderbolt 4 + USB 3.2/2.0** for high-speed accessories and future expansion.
- **Dual Emergency Stop GPI** ensures operator and system safety at all times.

Choreon

KEY CHANGES

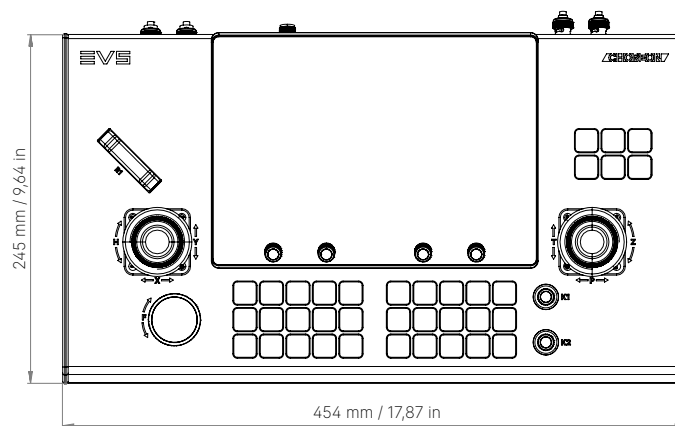
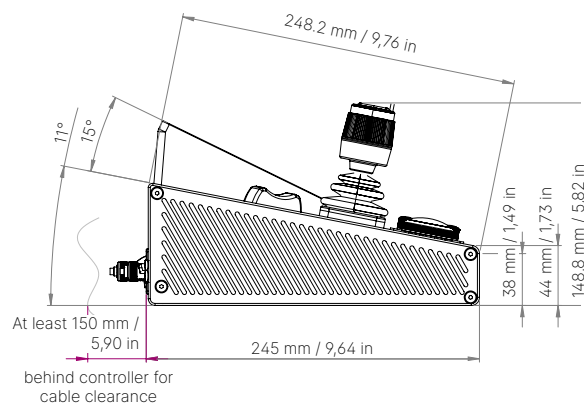
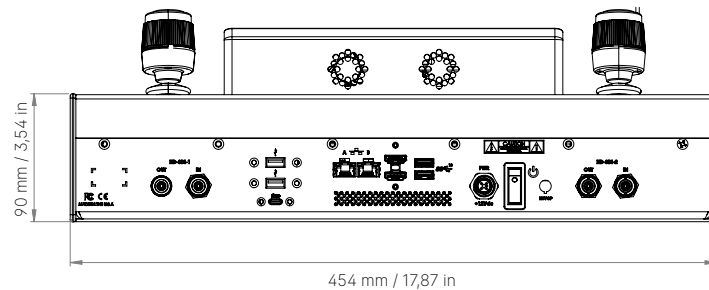
CAPABILITIES	CUSTOMER BENEFITS
Unified control	• One operator interface for all T-Motion systems avoids juggling multiple interfaces. • Full connectivity for most remotely controlled PTZ systems, the control panel also supports camera tally and is compatible with a broad range of video routers, audio mixers, production switchers, character generators, and mic systems from a wide variety of manufacturers. • Features all the camera painting and shading tools to natively support virtually all broadcast cameras (including those from Blackmagic, Canon, Grass Valley, Hitachi, Ikegami, JVC, Panasonic, Sony, and EVS) without requiring a separate camera control unit (CCU). • Support modern IP-based production networks, multiple displays, and high-speed accessory expansion. • Central control system for all T-Motion systems like the OmniGlide XY Roving Pedestal, Telescope, TG4/TG5 TeleGlide, PT/PTZ heads, Televators, Arcam, and X-Fly.
AI-assisted operation	• Improve shot consistency and precision while preserving editorial and creative decision-making in the hands of the operator. • Reframe AI-assisted correction framing for shot or live event. • Path planning AI-assist in navigating through complex studio productions. • Motion AI-assist in the execution of perfectly choreographed moves.
Enhanced tactile UX	• Operate faster and with more confidence. • Telekeys, best-in-class tactile dynamic keys automatically adapt to show options relevant to the task at hand, dynamic and responsive for fast access to favorite camera angles and other system parameters for on-the-fly changes and individualized program settings. • High brightness 10.1" touch- screen for superior visibility and responsive multitouch control. • Dual 3 Axis Haptic Joysticks, user-configurable joysticks to control PT heads, camera framing and movement of robotic pedestals or trolleys along a track, integrating haptic features for collision avoidance feedback. • LED-enhanced rotary knobs deliver precise, tactile operator feedback.
Safety-first design	• Help protect people, equipment, and the surrounding production environment through integrated emergency and intervention controls.

SPECIFICATIONS

Video / display output	10.1" 1200×800 touchscreen (800 nits), support for 3 external displays 2 × HDMI, 1 × USB-C, 1 × internal
Networking	Dual 2.5GbE ports for resilient IP-based production networks(16 Cores/22T, Arc GPU, NPU [AI Processor])
USB connectivity	USB4 / Thunderbolt 4 plus USB 3.2 Gen 2 and USB 2.0
Power system	Power adapter (included) 115 VAC-230VAC / 12VDC, 120W

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Dimensions:
[mm] in



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EVS is globally recognized as the leader in live video technology for broadcast and new media productions. Our passion and purpose are to help our clients craft immersive stories that trigger the best return on emotion. Through a wide range of products and solutions, we help deliver the most gripping live sports images, buzzing entertainment shows and breaking news content to millions of viewers every day – and in real-time.