

2U 10X Pro Control System

olympianled.com



The Pro Control System is a premium 2U solution for advanced video scoreboard applications, integrating LED display control with 4K HDR video processing. Designed for environments requiring top-tier video quality, the system's versatile input/output configurations and live input preview through Rocket Effects make it an excellent choice for large-scale, high-resolution displays.

Video Inputs:

- 1x 4K HDMI 2.0 with HDR10 support and loop-through (up to 240Hz)
- 1x 1080p HDMI 1.4 with loop-through (up to 240Hz)
- 2x 3G-SDI with loop-through (up to 60Hz)
- 1x DP 1.1 (up to 240Hz)
- 10-bit and 8-bit video support

Video Outputs:

- 10x Gigabit etherCON Lockable Ethernet (up to 6.5 million pixels)
- 2x 10G Optical
- 1x SPDIF Digital Audio

Control Inputs:

- 1x Genlock with loop-through
- 2x Ethernet control ports
- 1x RS232 Auxiliary port



System Features

- **Multi-Layer Control:** Supports 3 independent layers with adjustable Z-order for complex layouts.
- **Low-Latency Processing:** Achieves zero-frame latency (<1 ms) in Send-Only mode, or 1-frame delay in All-In-One mode for live video.
- **Frame Rate Adaptation:** Customizable frame rate adjustments down to 0.01Hz.
- **HDR & HLG Support:** Compatible with HDR10 (SMPTE ST 2084 and ST 2086) and HLG for superior video quality.
- **Live Preview:** Rocket Effects enables real-time input preview across all input sources.
- **Redundancy:** Two units can be connected for seamless redundancy.
- **Cross-Platform Compatibility:** Supports both Mac and Windows.
- **Warranty:** 5-Year Hardware Warranty.

Unique Benefits

- Fully optimized for 4K environments with HDR10 and HLG support, delivering the best visual experience for high-end installations.
- Enhanced pixel control and higher frame rate inputs make it ideal for large, dynamic displays.