

2U 20X Pro Control System

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The 2U 20X 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 the highest level 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:

- 3x 4K HDMI 2.0 with HDR10 support and loop-through (up to 240Hz)
- 1x 12G-SDI with loop-through (up to 60Hz)
- 1x DP 12 (up to 240Hz)
- 12-bit, 10-bit and 8-bit video support

Video Outputs:

- 20x Gigabit etherCON Lockable Ethernet (up to 9 million pixels)
- 4x 10G Optical (Supports up to 40 Ports)
- 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 4 independent layers with adjustable Z-order for sophisticated content layout management.
- Low-Latency Processing: Zero-frame latency (<1 ms) in Send-Only mode, or 1-frame delay in All-In-One mode.
- 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.