

A high-performance server built for professional video control applications with cutting-edge hardware and comprehensive connectivity features.

- **Chassis:** 4U Rackmount Server Chassis with mounting rails for easy installation.
- **Power Supply:** 850W Platinum-rated, ensuring optimal energy efficiency and reliability.
- **Memory:** 64GB DDR5-6000 CL36 RAM
- **Processor:** AMD Ryzen 9 9950X 16 Core / 32 Threads.
- **Graphics:** AMD Radeon PRO with 16GB or 32GB GDDR6 Memory
- **Storage:** Dual 2TB PCIe Gen 5 NVMe SSD in RAID 1 mirror configuration
- **Cooling:** Noctua CPU Cooler and case fans
- **Operating System:** Windows 11 IoT Enterprise LTSC 2024 (Supported until 2034)
- **Input Devices:** USB Keyboard and Mouse included.
- **I/O Expansion:** Dual Serial Port Card for RS232 connectivity.
- **EDID Emulator:** Ensures seamless display communication for multi-display setups.
- **Real-Time Data Inputs:** Unlimited real-time sports data input over serial, TCP, UDP and Websockets
- **Game and Player Stats Interface:** Direct integration for capturing and displaying live statistics.

Capture & Video Input/Output:

Optimized for capturing and outputting multiple high-resolution streams.

- **Capture Card Options:**
 - AJA KONA X:
 - 2 x Bidirectional 12G-SDI Ports
 - 1 x HDMI 2.0 Input, 1 x HDMI 2.0 Output
 - PQ, HLG, HDR10/10+, Dolby Vision Support
 - Ultra Low Latency
 - Supports up to 12-bit 4:4:4
 - Matrox DSX LE4 LP (DSXLE4L/4/100F)
 - Re-configurable I/O that can support up to 8 SDI inputs or outputs
 - Live zero-frame delay
 - Supports up to 10-bit 4:2:2
 - Blackmagic DeckLink 8K Pro G2
 - 4x 12G-SDI (bi-directional) supporting up to 64 channels of embedded audio.
 - 1x HDMI 2.1 input.
 - 1x HDMI 2.1 output.
 - Supports up to 12-bit 4:4:4
 - Magewell Pro Capture Quad SDI Card
 - 4x 3G-SDI Input
 - Supports up to 10-bit 4:4:4



- **Graphics Card Outputs:**

- 16GB Option:
 - 4x DisplayPort™ 2.1 (UHBR 13.5)
- 32GB Option:
 - 3x DisplayPort™ 2.1 (UHBR 13.5) and 1x Enhanced Mini DisplayPort™ 2.1
- Display Configurations:
 - 4x 4096 x 2160 (4K DCI) @ 120Hz with DSC, 2x 6144 x 3456 (6K) 12-bit HDR @ 60Hz Uncompressed, 1x 7680 x 4320 (8K) 12-bit HDR @ 60Hz Uncompressed, 1x 12288 x 6912 (12K) @ 120Hz with DSC

Connectivity:

- **Motherboard Interface:**

- WiFi 6E for ultra-fast wireless connectivity.
- 2x Thunderbolt 4.0 Ports
- 1x 10 Gigabit Ethernet
- 1x 2.5 Gigabit Ethernet
- 7x USB 3.2 Gen 2
- 3x Audio (Mic In, Line In, Line Out)

Video Standards Support:

- Supports all resolutions including SD, HD, Ultra HD, 4K, and 8K.
- Compatible with both 8-bit and 10-bit YUV 4:2:2, and 10-bit and 12-bit RGB 4:4:4.
- Full Rec. 2020 color gamut support for superior image quality.
- Performance: Capable of handling up to 120 frames per second in HD and 4K, and 60 frames per second in 8K.

Preloaded Software:

- Multi-Sport Pro Designer PRO
- Multi-Sport Pro Player PRO
- Multi-Sport Pro Rocket Effects PRO
- NovaStar VMP