CORE SYSTEMS



ENCODER BLE265-H6

Rugged ATMOS2 Encoder BLE265-H6

The **Core Systems Rugged ATMOS2 Encoder BLE265-H6** delivers high-performance video encoding in a compact blade form factor for demanding video and streaming applications. Featuring four fully independent HDMI encoders, it supports H.264, H.265, and MJPEG compression with resolutions up to 2160p30.

Designed for flexible video distribution and low-latency applications, the BLE265-H6 includes onboard video scaling, text, PNG, and timestamp overlays, embedded HDMI audio, and ONVIF Profile S and T compatibility. Web controls, API access, and RS-232/SSH management simplify integration, with MISB 0604-compliant timestamps across multiple streams.

- BLE265-H6 Encoder
- Tested to meet military standards
- Built in the USA

Featured Specifications

- BLE265-H6 Encoder
- 1 × Gigabit Ethernet with 4 Discreet IPs
- 4 × HDMI
- Low Latency
- H.265 Video Encoding
- NDAA and TAA Compliant
- Rugged MIL-Spec Chassis
- Native 24-28VDC Power Input
- Optional AC-DC External Power Supply
- Under 500W Total Power Draw
- Stackable Chassis Rail System

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ATMOS2 ENCODER BLE265-H6



Technical Specifications

Dimensions
Height: 3.5 inches, Width: 8.5 inches, Depth: 14.75 inches
Weight: 13 lbs

Video Encoding Interfaces
4 x HDMI
1 x Gigabit Ethernet with 4 Discreet IPs

Supported Resolutions
720p30/60, 1080p30/60, 1920x1200p60, 2160p30

Streaming Protocols
RTP, RTMP, RTSP, TSRTP, MPEG-2-TS, SRT, and RTMPS

Video Codecs
H.264, H.265, MJPEG

Audio Encoding Interfaces
Embedded HDMI Audio

Audio Codecs
AAC-LC ADTS and AAC-HE ADTS
Optional Audio Codecs AAC-LC, AAC HE, AAC-HE V2, G.711 and PCM

Audio Bitrate
32 to 320 kbps

Power
Onboard UPS Battery Backup
Under 500W Total Power Draw

Power Supply
Native 24-28VDC Power Input
Optional AC-DC External Power Supply

Chassis
Stackable Rugged MIL-Spec Chassis

Environmental Specifications

Operational Temperature
-15°C to +55°C; MIL-STD-810F, Method 502.4 Procedure II (Low Temperature) and Method 501.4 Procedure II (High Temperature)

Storage Temperature
-55°C to +85°C; MIL-STD-810F, Method 502.4 Procedure I (Low Temperature) and Method 501.4 Procedure I (High Temperature)

Humidity
MIL-STD-810F, Method 507.4: 95% RH, 48 hours at 40 – 65°C

Altitude
MIL-STD-810F, Method 500.4: 12,500 ft operation; 40,000 ft transport

Vibration
MIL-STD-810G, Method 514.6 Procedure I; 4.43 GRMS, 5-2000Hz, 60 min/axis

Shock
MIL-STD-810G, Method 516.6: 20g, 11ms functional; 40g, 11ms crash hazard

EMC
MIL-STD-461F: CE & RE emissions

Work With Core Systems Today

Core Systems designs and builds rugged servers, displays, mission computers, and integrated cabinet solutions for military and industrial applications. From our 85,000 sq. ft. San Diego facility, we deliver cutting-edge, durable computing solutions for mission-critical needs.



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