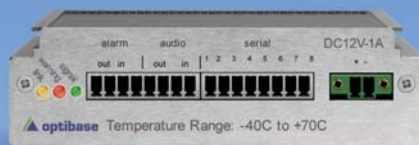


MGW MICRO

PORTABLE RUGGED H.264 ENCODER



MGW Micro is an industrial-grade, high-quality MPEG-4 H.264 encoder designed for the most extreme environments. Optimized for mission critical 24x7 applications, the MGW Micro offers real-time, low-latency streaming of live video sources delivered at broadcast quality picture (FD-1, full screen resolution).

MGW Micro is the smallest, professional grade, rugged H.264 encoder available, suitable for mobile installations as well as long-term deployments. With its unique robust construction, and operation temperature range of -40F to 158F (-40C to 70C), the MGW Micro is the ideal solution for tactical video, portable intelligence assets, security and surveillance applications, distance learning, mobile vehicles and TV trucks.

Use MGW Micro with Optibase EZ TV IPTV System and provide an end-to-end IP video delivery solution using your existing IP infra-structure. With the advanced EZ TV Player, local network users and remote users will be able to connect to multiple MGW Micro streams and watch real-time video in superior quality.

Benefits

- Ultra small rugged enclosure
- High quality H.264 video compression
- HTTP interface for remote management
- Low latency streaming
- Bit rate, resolution and frame rate control

Applications

- Tactical Video
- Security and Surveillance
- Mobile Vehicles
- Point to Point Video Contribution
- Education and Training
- Monitoring

MGW MICRO

Technical Specifications

Video

VStandards: H.264 Main Profile or MPEG-4 ASP
Bit Rate: 64 Kbps - 4 Mbps
Frame Rate: 5-30 fps
Bit Rate Regulation Modes: Constant / Variable
Resolutions: QCIF / CIF / 2CIF / HalfD1 / Full D1

Network

Streaming Protocols: RTP, RTSP, SDP
Unicast or multicast mode
Supported protocols: TCP, UDP, HTTP, DHCP, NTP

Alarm

Triggers:
Video signal loss, Video Obstruction, Camera Movement, Video Blur, System failure, digital input (40V/100mA), VMD (Video motion detection)
Resulting actions:
Text on screen display, digital output (40V/100mA), LED, user message via TCP command

System

Management: Web based remote management application (HTTP) with remote firmware upgrade capability

Audio

Standard: AAC-LC (mono)
Bit rate: 64 kbps
Sampling rate: 8 kHz - 48 kHz

Interfaces

Video: 1 x BNC input
Audio: 1 x mono input (screw-down block connector) *
Ethernet: RJ45 10/100 Mbps Base-T
Serial Links: 1 x RS232/RS422/RS485 on screw-down block connector
Power: screw-down block connector
Alarms: 1/1 digital input/output on screw-down block connector

Physical

Enclosure: rugged metal case
Dimensions: 130 mm x 35 mm x 105 mm (5.12 in x 1.38 in x 4.13 in)
Power Consumption: 9-12 VDC, max 5W

Environmental

Operating Temperatures: -40°C to 70°C (-40°F to 158°F)
Relative Humidity: 5 to 95% (non-condensing)
EMC Standards: FCC part 15 class B and CE

*Optional

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