DASEOC FEATURES

- Integrated CAP+IPAWS origination system – all in one unit
- FEMA IPAWS concomitant
- Common Alerting Protocol v1.2 compliant
- Sends alerts to both IPAWS and state/local CAP feeds
- Sends simultaneous alerts to EAS
- Monitors IPAWS/state/local CAP
- Monitors NOAA Weather Radio and Legacy EAS (PEP, LP1, LP2)
- Readily integrates into satellite and data broadcast systems
- Web based system interfaces and monitoring
- Web-browser user interface with tiered security - no special software, hardware, or IT support
- Architecture supports simultaneous monitoring by all users
- Dual language support
- Stereo analog and digital audio (AES) switching with fail-safe bypass
- Clock locked to atomic reference assuring continuous accuracy
- Stores 1000’s of events - with audio – in non-volatile memory
- Up to 4 independent Ethernet ports - enhances network performance
- Internal triple tri-band (AM/FM/WX) high performance receiver option fully adjustable via user interface
- EAS-Net™ compatible for exchanging EAS data and audio
- Internal MPEG encoding option – direct insertion into digital broadcast stream

DASEOC
A Cost Effective, Integrated Solution for Full Access to CAP, IPAWS and EAS

A PARADIGM SHIFT FOR EMERGENCY MANAGEMENT

By making it easy for authorities to send emergency communications messages by both legacy EAS and CAP, the DASEOC ensures that the public can receive alerts via radio, TV, cable, and mobile phones. The DASEOC can also relay emergency communications to other CAP systems for use by public safety and emergency management professionals.

With its ease of integration with a variety of broadcast and public safety systems, the DASEOC also facilitates activation of EAS in parallel to other communications systems, increasing the ability to reach both the public and first responders through many paths with consistent messaging.

BENEFITS FOR PUBLIC SAFETY PROFESSIONALS

By integrating the EMnet emergency communications system into the DASDEC-II, broadcasters can take advantage of a range of economic and operational benefits.

- One stop solution for CAP compliance – the only single device that is both FEMA and FCC certified for originating and monitoring CAP+EAS communications
- A cost effective and easy to use tool for state, county and municipal agencies.
- An integrated DASEOC can cost significantly less than separate systems for CAP, EAS and IPAWS – both sending and monitoring
- Operational efficiencies with a single user interface
- Transmission and reception of EAS text & audio, plus video, documents, graphics ...

UNPARALLELED SERVICE AND SUPPORT

Our Customer Service team provides rapid response for your service needs.

- Streamlined Customer Service for all equipment and service inquiries
- On-site equipment installation services available
- End-to-end acceptance testing
- Continuous life-cycle management including in-version service upgrades.

SOLUTION DESIGN

Our experts ensure the optimal solution for whether for an individual broadcast station, or for a state-wide emergency communications network.

- Solution evaluation, requirements analysis and design
- Assigned customer project manager
- Project implementation planning
- State/Local EAS planning support
- Compliance and regulatory advisory services

Call 585-765-1155 or visit www.digitalertsystems.com today.
How It Works

A thoroughly tested CAP and IPAWS origination tool, the DASEOC enables emergency managers to distribute critical alerts to radio, TV, radio, targeted mobile phones, and other systems in affected areas. The DASEOC can also post alerts as a local Web resource for direct monitoring by CAP services and devices, and to content distribution/file broadcast systems.

As a single box solution - eliminating the need for extra CAP software and services - the DASDEC significantly reduces costs and improves operational efficiency by fulfilling multiple functions in one device.

Using the DASEOC’s single secure browser-based interface anywhere on local network, the emergency manager can log in securely, compose an alert message, designate the geographic target for the message, and either record audio or use an integrated text-to-speech feature to create an audio message.

CAP messages can be sent to the IPAWS aggregator, to be disseminated to radio, television and cable systems, as well as to mobile phones via the Commercial Mobile Alert System (CMAS).

The unified DASEOC gives authorities to the flexibility to originate alerts from any networked computer, local or remote; and the simplicity to reduce response times for triggering EAS/CAP alerts.

The DASEOC is the only CAP EAS unit that enables both sending and receiving CAP and standard EAS messaging in a single FCC-certified and IPAWS-conformant package. A single unit solution for CAP and EAS messaging functionality, the DASEOC allows authorized users to send and receive a full range of emergency alerts, including AMBER alerts, evacuation notices, and other EAS events, in CAP format and thereby ensure interoperability with the widest range of communications and warning technologies.

DASEOC Specifications:

Compliance:
- FEMA IPAWS Originator: SDOC-DASDEC-II-12204
- FEMA IPAWS Receiver: SDOC-DASDEC-II-11587
- FCC Certified FCC ID: R8VDASDEC-1EN

Audio Inputs:
- Four (4) monaural EAS monitoring inputs
- Optional DAS3RAD integrated receivers use 3 inputs when installed
- One-pair (1) balanced 600Ω stereo audio (program in) switched 14-pin detachable terminal strip.
- One (1) AES/EBU digital audio (program in) switched 1100 male XLR via supplied pigtail
- Auto-set to incoming sample rate, or 48 KHz without reference input

Audio Outputs:
- Four (4) monaural, un-balanced lo-Z audio outputs
- One-pair (1) balanced 600Ω stereo audio (program out)
- 14-pin detachable terminal strip.
- One (1) AES/EBU digital audio (program out) switched 1100 female XLR via supplied pigtail
- Internal Character Generator:
  - Standard RS-170A NTSC1Vpp (100IRE)
  - RCA-type connector (RCA to F adapter incl.)
  - S-Video 4-pin connector

Controls:
- LAN Interface: TCP/IP Ethernet RJ45
- Standard: One (1) 10/100BASE-T RJ45
- Options for three (3) 10/100BASE-T RJ45 ports or three (3) 10/100/1000BASE-T RJ45 ports
- Each port features green link & amber data indicators
- IP addressing by DHCP (ports 1 & 2), or fixed (ports 1-4)
- GPI/O’s (General Purpose Inputs/Outputs):
  - Two (2) software defined inputs
  - Two (2) software defined outputs rated 2A @30VDC
  - 7-pin detachable terminal strip

Serial Port:
- One (1) RS232 data 9 pin “D” connector
- Optional USB/4RS232 adds 4 additional RS-232 ports

USB ports:
- Two (2) USB V2.0/1.1 type A sockets IEEE-1394 (FireWire)
- One (1) IEEE-1394 “FireWire” 400 6-conductor port

Local Control Ports:
- Keyboard PS-2 type socket
- Mouse PS-2 type socket
- Monitor 15-pin VGA socket

Operating System:
- Supports Secure Socket Layer (SSL) based https password protected and SSH based https password protected and SSH based data transfer including an internal firewall

Front Panel:
- Backlit LCD matrix display: 2 rows of 20 characters
- Displays: IP address, software version, date & time, active EAS event message, user set unit name
- Dual status lamps

Internal Radios:
- Three independent radio receivers
  - Tunable frequencies
  - AM 520 KHz to 1720 KHz
  - FM 76 MHz to 108 MHz
  - WX162.4 MHz to 162.55 MHz

Physical Attributes:
- 19.0” W x 12.0” D x 3.50” H (2RU EIA rack mount)

Power Requirements:
- Input 120VAC @ .4 amps (48 Watts)
- Weight: 15 lbs