



# ChyTV HD EAS

## HD / SD Emergency Alert System

**Affordable Emergency Alert System integrates with industry leading EAS Decoders for crawl alert upper thirds in SD or HD**

THE CHYTV GROUP



### Features

- Interface with EAS Decoders via GPI contact closure or IP protocol.
- Supports VIDS, Visually Integrated Display Symbology.
- Automatic Audio switchover replaces live HD-SDI embedded audio with EAS Decoder audio in the HD-SDI output.
- Upper third crawl templates are included and can easily be customized to change the color, font and anything else.
- Live full-screen HD Input with text, graphic and crawl overlay. Various HD video formats including HD-SDI.
- Layered page elements include live video, clips, text, graphics and backgrounds
- Squeeze and position clip player windows, including dynamic transitions
- Dynamic broadcast quality effects such as text pushes, fades and crawls
- Animated Text, Graphics and Logos using GIF, TGA, MPEG and more
- Multiple text and graphic zones may be independently sized and positioned
- Page scheduling, including looping durations or specific day, date and time control
- External data interfaces for real-time data updates such as news, sports, stock and weather

### Emergency Alert Graphic System

ChyTV HD EAS integrates with FCC approved EAS Decoders such as Digital Alert System's DASDEC II, providing a better, lower-cost solution for generating high-quality crawls for EAS alerts in SD and HD. Ideal for PEG Channel (Public, Education, Government) and other broadcast television emergency notification, the ChyTV HD EAS is a powerful and affordable high-definition broadcast quality graphics system designed to enable deployment of simple and efficient custom emergency alert information. ChyTV HD EAS supports a variety of SD, HD and HD-SDI formats and lets you pass through your normal programming while displaying an upper third crawl overlay with the relevant alert message. Full screen graphics or any other customized graphic can be used as well.

### Hardware To Suit Your Needs

The ChyTV HD EAS system can be ordered in a Desktop tower chassis as well as a more industrial 3 RU rack-mount chassis with redundant power supplies. Both support a variety of video Input / Output standards, including HD-SDI, HDMI, analog component, S-Video, composite video, channels of AES/EBU audio and 4 channels of balanced analog audio in and out. You also get a down converted SD output. The ChyTV HD EAS can run in either SD or HD, providing an upgrade path for stations currently running in SD but with future upgrade plans for HD.

### Flexible and Reliable

The ChyTV HD EAS system can also be run as a scheduled Bulletin Board graphic system. Standard format animations can be imported from various file types such as MPEG clips, GIF, AVI, TGA sequences, etc. All graphic pages can then be scheduled from a simple, intuitive scheduling interface for either automatic looping or date/time payout. This self-contained device is virtually virus-proof, requires no external computer connection and ensures utmost reliability and ease of use.

Some of the many uses include Local Community Announcements, Local Weather, Community Advertising, Town Meeting Announcements, Agendas and Minutes, Public Service Announcements and Emergency Alerts.

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## Technical Specifications

### Video Outputs

*Outputs may not be available simultaneously.*

Digital:

HD HDMI  
HD/SD SDI (BNC)  
Internal / External SDI Key Channel

Analog:

HD/SD Composite, Component via Breakout Cable

### Video Inputs

Digital:

HD HDMI  
HD/SD SDI (BNC)

Analog:

HD/SD Composite, Component via Breakout Cable

### Video Formats

525, 625, 720p, 1080i, 1080p (output only)

### Audio Outputs

Number of Outputs

1 HDMI In  
1 Line-out  
1 Embedded SDI  
2 Channel Balanced Analog and AES / EBU  
via Breakout Cable

Number of Inputs

1 HDMI In  
1 Line-in  
1 Embedded SDI  
2 Channel Balanced Analog and AES / EBU  
via Breakout Cable

### Interfaces

USB

USB 2.0, 3.0

Ethernet

10/100/1000 BaseT (RJ-45)

### Tower Chassis

Weight

15.5 lbs

Dimensions

H x W x D  
387 x 175 x 356 (mm)  
15.25" x 6.9" x 14.0"

Power Supply:

ATX12V 585W

### Rack Chassis

Weight

43 lbs

Dimensions

H x W x D  
127 x 406 x 419 (mm)  
5" x 16" x 16.5"

Power Supply:

80 PLUS EPS-12V 550W Mini  
Redundant Power Supplies

### Models

ChyTV HD EAS Tower Chassis

Part #

7A00349

ChyTV HD EAS Rack Chassis

7A00349-RK

### Software

- ChyTV Author** – WYSIWYG content authoring and management tool. Supports the following formats:  
*Fonts:* Any TrueType and OpenType  
*Images:* PNG, JPG, GIF, TIFF, TGA, BMP  
*Video:* MPG2, MPG4, MOV, AVI, QuickTime
- ChyTV Tools** – User interface for control, data updates and content management.



ChyTV HD EAS with Digital Alert Systems DASDEC II



VIDS  
(Visually Integrated Display Symbology)



ChyTV HD EAS  
(Rack Chassis Shown)

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April 2023  
Subject to Change