



## High-Definition Professional Broadcast Graphic System with HD-SDI In / Out and HD Video Squeeze

THE CHYTV GROUP



### Features

- Supports HD-SDI In and Out with Closed Captioning as well as Embedded audio.
- Live HD Input, both windowed or full-screen overlaid. Various HD video formats.
- Layered page elements include live video, clips, text, graphics and backgrounds
- Full-screen HD clips as animated backgrounds overlaid with dynamic text and graphics.
- Dynamic real-time 3D Text and Graphics
- Squeeze and position live video and 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
- Interfaces with a variety of peripheral devices including RFID, touch screen, contact closure switches, serial control and more.

### Live HD-SDI In and Out with Squeeze and Overlay

The ChyTV *HD Pro* is an affordable professional broadcast television graphic system, supporting HD-SDI In and Out as well as analog HD Out. With the *HD Pro*, you can take in virtually any flavor of live HD input and squeeze and position it within your content *uniquely* from page to page. Or overlay graphics on top of the full screen video. All without compromising your closed captioning information. This is truly a broadcast quality professional product. Like all ChyTV products, the *HD Pro* gives you full control over each element on the page. You can have a full motion HD clip as a background with layered graphics, text and animations on top, along with a live HD video window of any size and position, or a variety of other arrangements. ChyTV *HD Pro* utilizes the same ChyTV Tools utilities to manage the projects and is completely compatible with existing ChyTV units. Like all ChyTV products, the *HD Pro* features the highest quality dynamic text and effects, even in Portrait display mode.

### Text and Graphics Image Engine

The *HD Pro* is ideal For PEG Channels (Public, Education, Government). Some of the many Public Access Channel uses include: Local community announcements, Local weather, Community advertising, Town meeting announcements, agendas and minutes, Public Service announcements, and Emergency Alerts The ChyTV *HD Pro* features an internal MPEG clip player and has the ability to manipulate the video clip either in a window that is surrounded by graphics and text or to superimpose the message over the video background. In addition, full screen graphics can be displayed with dynamic text, logos and animations. A versatile play-list scheduler allows for dynamic programming. The supplied ChyTV Tools user interface allows for direct control of the ChyTV *HD Pro*, or multiple ChyTV *HD Pro* 's can be added to the ChyTV.net server for automatic remote content updates.

### Flexible and Reliable

The ChyTV system is easy to configure in a display system or integrated into an existing HD video infrastructure. 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.



# ChyTV HD Pro

Broadcast Character Generator with Overlay and Squeeze

## 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/SD SDI (BNC)  
(Note: HDMI Input is unused)

### Video Formats

525, 625, 720p, 1080i

### Audio

Number of Outputs

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

Number of Inputs

1 Embedded SDI

### Interfaces

USB

USB 2.0, 3.0

Ethernet

10/100/1000 BaseT (RJ-45)

### 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 Supply

### Models

ChyTV-HD Pro

Part #

7A00500

### Software

- **ChyTV Author** – WYSIWYG content authoring and management utility.
- **ChyTV Tools** – User interface for control and content Management

**Warranty** – 1 Year factory warranty.

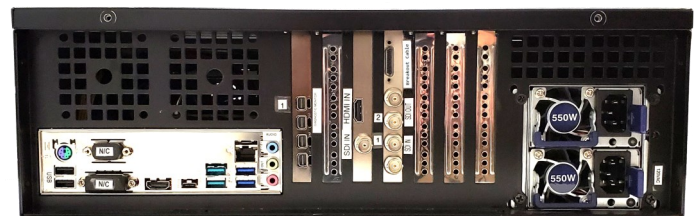
Extended warranties available.

### Typical Customers Include:

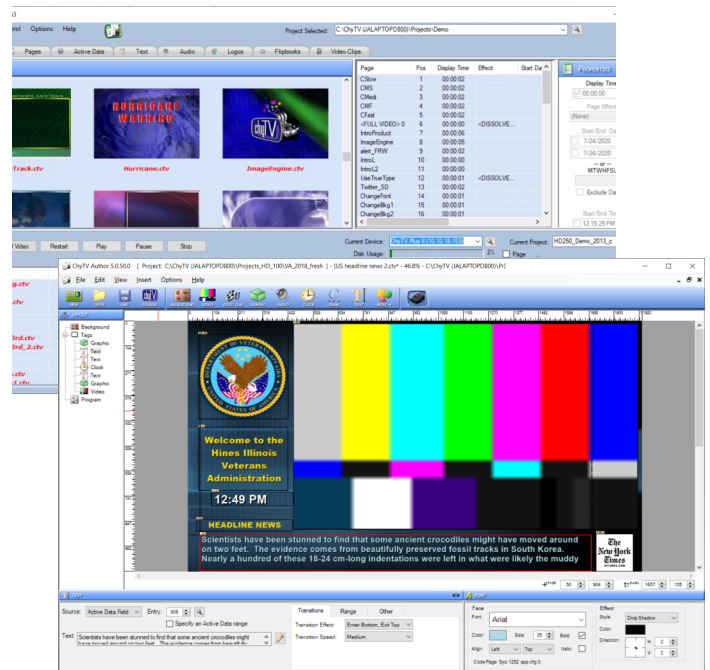
Television Stations, PEG Channels, Municipalities, Campuses, Military Facilities. Government Buildings, Hospitality, Education K12 to K12, Hospitals, Senior Care Facilities, Residential Communities (Apartments & Complexes)



**ChyTV HD Pro  
(Front)**



**ChyTV HD Pro  
(Rear Panel)**



**ChyTV Tools and ChyTV Author Interfaces**

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Subject to Change

