



### High-Definition Bulletin Board Graphics System with HD Analog and HD-SDI Video Overlay and HD Clip Playout

THE CHYTV GROUP



#### Affordable Bulletin Board System

The ChyTV HD BB system is designed to be a cost-effective but high-end Bulletin Board system for local cable channels, communities, municipalities, PEG and other budget conscious television and video distribution networks. In addition to SD formats in and out, ChyTV HD BB supports HD Component and HD-SDI in and out with graphic overlay on top of live video. Additionally, 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 a single or multiple ChyTV HD BB systems.

#### Broadcast Quality Text and Graphics

The ChyTV HD BB 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. Professional Crawl overlays are broadcast quality, smooth and easily modified. Multiple Crawls can display simultaneously and can include graphics and logos.

#### Hardware To Suit You Needs

The ChyTV HD BB 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.

#### Flexible and Reliable

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 playout. 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.

### Features

- Live full-screen HD Input with text and graphic overlay. Various HD video formats including HD-SDI.
- Flexible scheduling.
- 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 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.



### Technical Specifications

#### Video Outputs

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)

Analog:

HD/SD Composite, Component via Breakout Cable

#### Video Formats

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

#### Audio

Outputs:

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

Inputs:

- 1 Embedded SDI
- 1 Line-in

#### 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

34 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

Part #

ChyTV HD BB Tower Chassis

7A00345

ChyTV HD BB Rack Chassis

7A00345-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 and content management
- **ChyTV Elements** – Page Creation and Template Add-in for PowerPoint (included)
- **ChyTV Dynamo** – Animation and Image conversion tool for ChyTV Flipbooks and Logos (optional). Supports:



**ChyTV HD BB  
(Tower Chassis Shown)**



**ChyTV HD BB  
(Rack Chassis Shown)**

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