



## Digital Signage Control Panel, Media player License Software with Hardware

### Overview

The Digital Signage Control Panel is a robust, designed for managing digital displays in environments like retail stores, offices, or public spaces. It allows administrators to upload content (images and videos), organize displays into categories, assign content to specific screens, and monitor activities through an intuitive dashboard. Built with Bootstrap for responsive design and SQLite/PostgreSQL compatibility, this system ensures seamless content rotation on displays while maintaining security through session-based authentication.

### Key Benefits:

- **Ease of Use:** Simple interface for non-technical users to manage content and displays.
- **Scalability:** Supports multiple displays and categories for large deployments.
- **Security:** Protected login, unique display keys, and file upload validation (limited to JPG, PNG, GIF, MP4, Web M)

This catalogue highlights the salient features across core modules, making it ideal for businesses seeking affordable digital signage solutions.

### Salient Features

#### 1. User Authentication and Security

- **Secure Login System:** Dedicated login page with form validation and error handling with session management to prevent unauthorized access.
- **Logout Functionality:** Simple one-click logout
- **Role-Based Access:** All management pages require login ensuring only authenticated users can access the dashboard and tools.
- **Error Handling:** Displays user-friendly alerts for invalid credentials or actions, enhancing usability.

#### 2. Dashboard and Analytics

- **Comprehensive Overview:** The dashboard provides at-a-glance stats on total displays, content items, categories, and active assignments using SQL queries for real-time data.
- **Quick Actions:** Links to key management pages (displays, content, assignments, categories) for streamlined navigation.
- **Recent Activity Log:** Lists the latest 5 content assignments with details like content title, display name, and timestamp, helping admins track changes.
- **Visual Cards:** Bootstrap-styled cards with icons for metrics, improving readability on desktop and mobile devices.



### 3. Display Management

- **Display Creation and Organization:** Add new displays (displays.php) with names and optional categories. Each display gets a unique auto-generated key (bin2hex) for secure access.
- **Category Integration:** Displays can be grouped into categories for bulk management, with counts shown for associated displays.
- **Status Monitoring:** Tracks display status (active/inactive) and content count per display.
- **Full-Screen Viewer:** Dedicated view page that fetches assigned content via display key. Supports image and video rotation every 10 seconds, with auto-reload every minute for updates. Falls back to a "no content" message if empty.
- **Deletion and Viewing:** Inline delete options with confirmation, plus a button to open the display view in a new tab.

### 4. Content Library

- **Upload and Validation:** Upload content (content.php) with title, supporting images (JPG, PNG, GIF) and videos (MP4, WebM). MIME-type checking and size limits prevent invalid files.
- **Library Display:** Grid view of uploaded items with thumbnails (for images) or icons (for videos), showing title, type, size, and delete options.
- **Deletion:** Secure file removal from server and database, with confirmation prompts.
- **No-Content Handling:** Friendly placeholder message and icon when the library is empty.

### 5. Category Management

- **Category Creation:** Add categories (categories.php) with names and descriptions for organizing displays logically (e.g., by location or department).
- **Display Counts:** Shows how many displays are linked to each category for quick insights.
- **Deletion:** Simple delete functionality with confirmation, updating associated displays automatically.
- **Table View:** Responsive table listing **all categories with creation dates and actions.**

### 6. Content Assignment System

- **Individual Assignments:** Assign content to multiple displays at once via checkboxes, preventing duplicates.
- **Category-Based Bulk Assignment:** Assign content to all displays in a selected category, ideal for uniform updates across groups.



- **Assignment Tracking:** Table view of all active assignments, showing display, content, type, timestamp, and remove options.
- **Removal:** Inline removal of specific assignments with confirmation.
- **Alerts and Feedback:** Success messages for assignments, ensuring admins know when actions complete.
- **FIREWALL**
- **Features**

PPT slide, Video Flash, HTML5, ACROBAT, MPEG, UDP, IP, Multicast streams, playback of Videos simultaneously, MPEG1, MPEG2, MPEG4, MP3 and WAV Smooth, Jitter, free, text, scroll all font support. Interactive network schedule, Multi frame scheduling.

## Media Player hardware

GEN – MP5



### Specifications:

<b>Model</b>	GEN-MP5
<b>Resolution Supported</b>	4K or 1080P @30/60/120 FPS
<b>PROCESSOR</b>	Intel Core i3/i5/i7
<b>OPERATING SYSTEM</b>	Windows 10/11/Linux
<b>MEMORY</b>	8GB/16GB/32GB (Dual-Channel) DDR5
<b>STORAGE</b>	256GB/ 512GB/ 1TB/ 2TB SSD
<b>Ports</b>	1x HDMI-Out, 1x RJ45 Gigabit Ethernet 2x USB-A 3.0, 1x HDMI out 2.0
<b>Connectivity</b>	RJ45 LAN
<b>HTML5 supported</b>	Yes



The screenshot shows the "Dashboard" page of the Digital Signage Control Panel. The left sidebar contains navigation links for "Dashboard", "Displays", "Content Library", "Content Assignments", and "Categories". The main content area displays four summary cards: "TOTAL DISPLAYS" (1), "CONTENT ITEMS" (2), "CATEGORIES" (4), and "WITH ASSIGNMENTS" (0). Below these are "Quick Actions" (Manage Displays, Upload Content, Assign Content to Displays, Manage Categories) and a "Recent Activity" section showing "No recent activity".

The screenshot shows the "Displays" page of the Digital Signage Control Panel. The left sidebar is the same as in the dashboard view. The main content area features an "Add Display" button and a table titled "Display Screens".

Name	Category	Display Key	Content Items	Status	Actions
screen1	Category	add8455fd70e9919	0	Active	



Safari File Edit View History Bookmarks Develop Window Help localhost Thu 16 Oct 2:51 PM

Content Library - Control Panel

### Content Library

[Upload Content](#)



**film**  
Video - 2,802.5 KB

[Delete](#)



**test**  
Image - 53.0 KB

[Delete](#)

admin [Logout](#)



Safari File Edit View History Bookmarks Develop Window Help localhost Thu 16 Oct 2:51 PM

Content Assignments - Control Panel

### Content Assignments

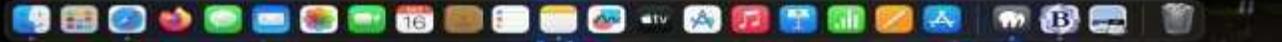
Content assigned successfully

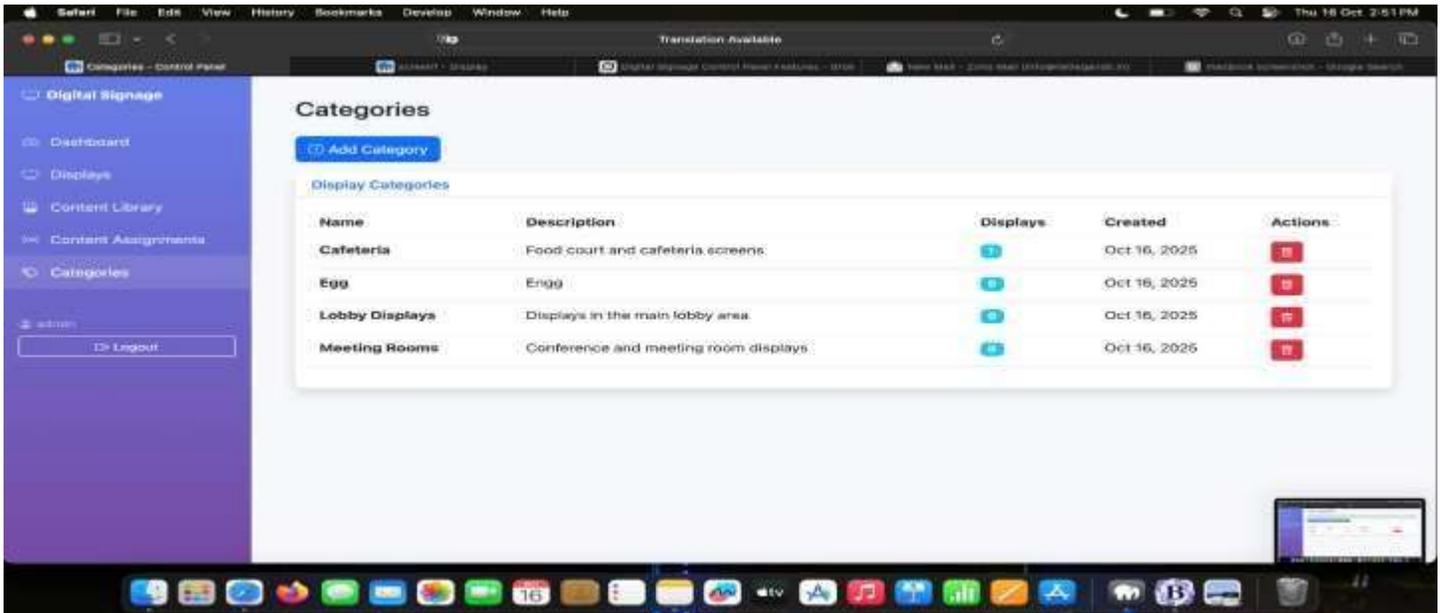
[Assign Content to Displays](#) [Assign to Category](#)

Active Assignments

Display	Content	Type	Assigned At	Actions
screen1	film	video	Oct 16, 2025 14:51	<a href="#">Remove</a>

admin [Logout](#)





**GENIUS PRESENTATION PRIVATE LIMITED**  
ADDRESS C-43 Ground Floor, Vishkarma Colony M.B. Road,  
New Delhi-110044  
Toll Free: 18003092945  
Email: [info@geniuspresentation.com](mailto:info@geniuspresentation.com)  
[www.geniuspresentation.in](http://www.geniuspresentation.in)

