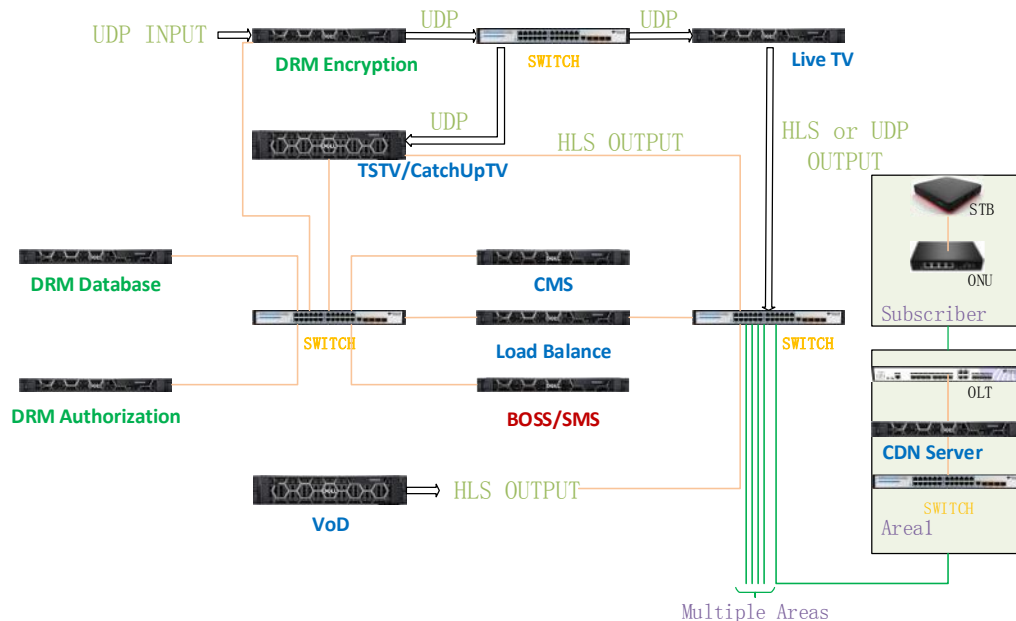


## Gospel IPTV Total Solution

SMS/ContentManage/DRM/Live/VoD/TSTV&CatchUpTV/CDN/

STB/IPTV Player/Launcher



Gospel provides a Total IPTV Solution with a complete package tailored for operators without prior IPTV experience. This comprehensive solution includes a user-friendly Content Management System, robust DRM system, live streaming, video on demand, time-shift capabilities, catch-up TV, user management, CDN, Android set-top boxes, IPTV player, and a customizable launcher.

Importantly, the existing program sources from most DVB systems can be seamlessly integrated into our IPTV system. Additionally, we provide professional transcoding equipment to effortlessly convert program sources into the input streams required for IPTV.

With Gospel Total IPTV Solution, operator will explore the world of IPTV effortlessly.

### DRM System

Ensure the security of content with robust Digital Rights Management system. Safeguard premium content and prevent unauthorized access.

### VoD

Offer a vast library of on-demand content, allowing users to access their favorite shows, movies, and more

### Live Streaming

Immerse audience in captivating real-time experiences through our seamless live streaming feature, bringing events, sports, and shows directly to their screens with unparalleled clarity and reliability

### Time-Shift

Enable time-shifted viewing, allowing users to pause, rewind, or fast-forward live content. Enhance user

at their convenience.

### **CatchUp TV**

Never miss a moment with our Catch-Up TV feature. Allow users to revisit and watch previously aired content at their leisure.

### **SMS**

Effortlessly handle user accounts, subscriptions, and preferences. Provide a personalized experience to each user.

### **Launcher**

Customize the user interface with our launcher. Brand your IPTV service and create a unique experience for your audience.

control and satisfaction.

### **Content Management (CMS)**

Effortlessly manage content library with our user-friendly CMS. Organize, update service/content to keep viewers engaged.

### **IPTV Player**

Offering a user-friendly interface and high-quality streaming. Ensures a seamless and immersive viewing experience. Navigate through a vast array of on-demand content, live streams, and catch-up TV effortlessly.

### **Android Box**

Offering high-quality Android Set-Top Boxes with exceptional performance and flexibility, allowing to choose the configuration that best suits operator business requirements.

## **Highlights**

### ● **DRM Security:**

- Multi-layers of key system are adopted: root key, terminal key, session key and content key.
- Key storage and decryption is securely protected to ensure the security of content and system.
- Code obfuscation and code encryption, anti-de-compilation and debugging.
- White-box technology is applied to protect the security information such as keys.
- HTTPS/SSH/SSL secure authentication mechanism to ensure the security of communication between systems.
- 2-pass/4-pass protocol of DRM standard are adopted to ensure the communication security between the system and the terminal.
- Secret data is stored in encrypted.
- Encryption algorithms: RSA, AES, ECC.
- Application of VLAN partition, virtual firewall, port configuration to ensure network security.
- Redundancy technologies such as network card bonding and switch stacking are applied to ensure network link security.
- Role-based system authorization system, log audit function, ensure operation and maintenance security.
- Strict environmental safety measures to ensure the operation of environmental safety.

### ● **Live Streaming:**

- Either playout with Unicast or Multicast to match different requirement.
- Stable seamless live streaming service with real time status monitoring for all channels.
- Hardware performance monitoring
- Capable of playing live service on server for testing purpose.
- Customized service group category on server which affect STB display, such as movie, sports.

- **Time-Shift & CatchUp TV:**
  - 2 hours or customized duration of Time-Shift for any live service at any time.
  - 7 days or customized duration of CatchUp TV for all services.
  - CatchUp TV content is displayed and selected for playback based on EPG.
  - Seamlessly switch between live streaming and time-shift without disrupting the user experience.
- **VoD Service:**
  - Customized content poster, description, name, actors, etc. which will display on STB.
  - Customized recommendation of poster and linked content, which helps operators easily to update new added movies on STB display and provide fast access point for such movies.
- **Video&Audio Source:**
  - Resolution with SD, HD, 4K(2G memory above).
  - Video format with MPEG-2, H.264, H.265.
  - Audio format with MPEG-1/2, AAC, AC3, DTS.
  - Protocol with UDP, HLS, MPEG-DASH.
- **Flexibility and Scalability:**
  - Adaptive to match small scale and large scale business with different hardware configuration.
  - Adaptive to operate with a few services/content or hundreds of services/content with different hardware configuration.
  - Dynamically scalable DRM servers, Live streaming servers, VoD/TSTV/CatchUp servers, CDN servers to quickly deal with business change/increase.
- **Customized Launcher:**
  - Gospell is capable to quickly and easily customize the appearance of terminal displays, ensuring a tailored and unique visual identity for each operator.
  - Empower operators to make real-time updates on head-end to affect terminal display interface, allowing for instant updates to terminals, which make sure the interface to suit their individual branding and content presentation preferences, creating a distinct and recognizable user experience, offering a dynamic and fresh look to their audience.
  - Easy for operators to create & change recommendation for APP and VoD content, which will show on terminal interface and let subscriber jump into APP and VoD content.
- Either VLAN or non-VLAN can be supported from STB.
- Support EPG file upload and watch CatchUp TV per EPG.
- Compatible with Gospell SMS for subscriber management and content authorization. TRAI is fully complied.
- Multiple STB configuration(memory/flash): 1/8, 2/8, 2/16, 4/16, 4/32.
- Stable 7X24 hours work

## For More Information

Please visit our website: <http://www.gospell.com> or contact your local sales representative:

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