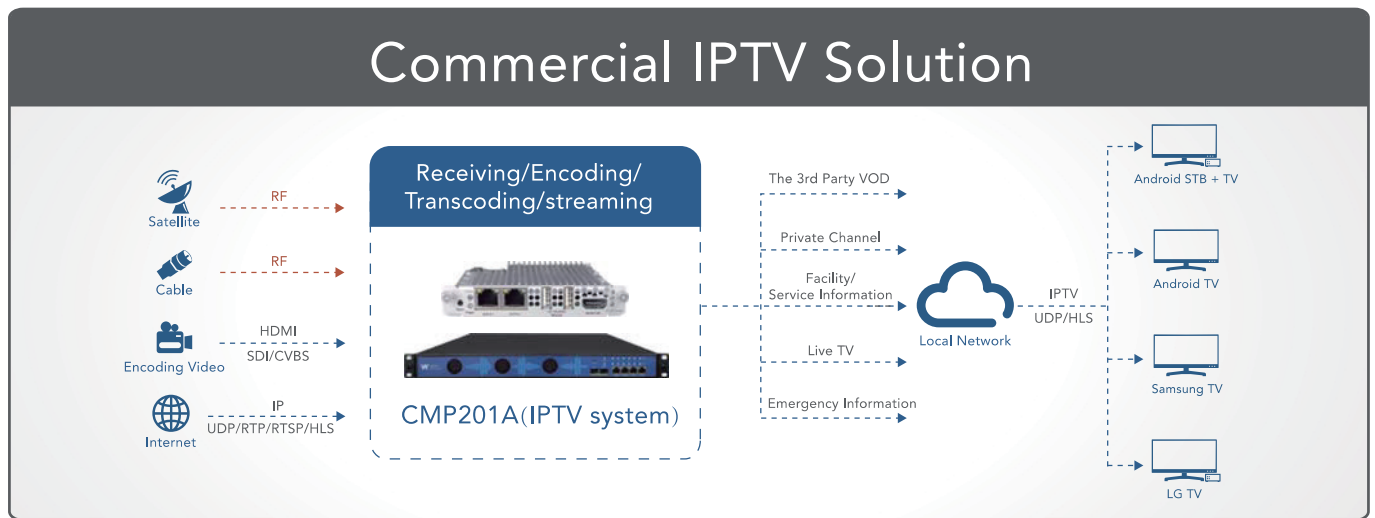# CP2-IPTV-00

One Stop IPTV System

INTRODUCTION

Total IPTV system in 1RU device with CP2-IPTV-00 IPTV module! The CP2-IPTV-00 is an intuitive yet cost-effective IPTV module of CMP201A/AD for centralized management of Android-based set-top boxes and TV Sets. With increasing popularity of IPTV technology, CP2-IPTV-00 is perfect for hospitality, education, government, or any facility looking to play IP videos across multiple televisions. Compatible with Samsung & LG smart TV and Android smart TV/box, single CP2-IPTV-00 module supports up to 200 terminals over the network. CP2-IPTV-00 allows the facility to update high-quality images and customize messages from the head-end without the hassle of visiting each STB location. It maximizes return-on-investment (ROI) by incorporating house channels, advertisements, and other relevant information at the television as viewers interact via a hand-held remote.

FEATURES

- Play back live IP video services using industry standards of UDP and RTP, and HLS protocols
- Control the "Channel Lineup" and customize the order of up to 50 live channels
- Centralize management and content permission to control up to 200 STB in the local area network
- Customized logos, branding, welcome pages, and introduction messages
- Support integration of third-party VOD systems
- Remotely administer software updates and user-experience changes on the STB
- Modern APK software player to run on the IPTV STB and Samsung/LG/Android smart TV
- Capable to work independently as a standalone IPTV streaming module in CMP chassis
- Receive live channels from the embedded data ports of CMP201A/AD chassis and other encoding/ transcoding modules, as well as from the built-in IP ports of CP2-IPTV-00
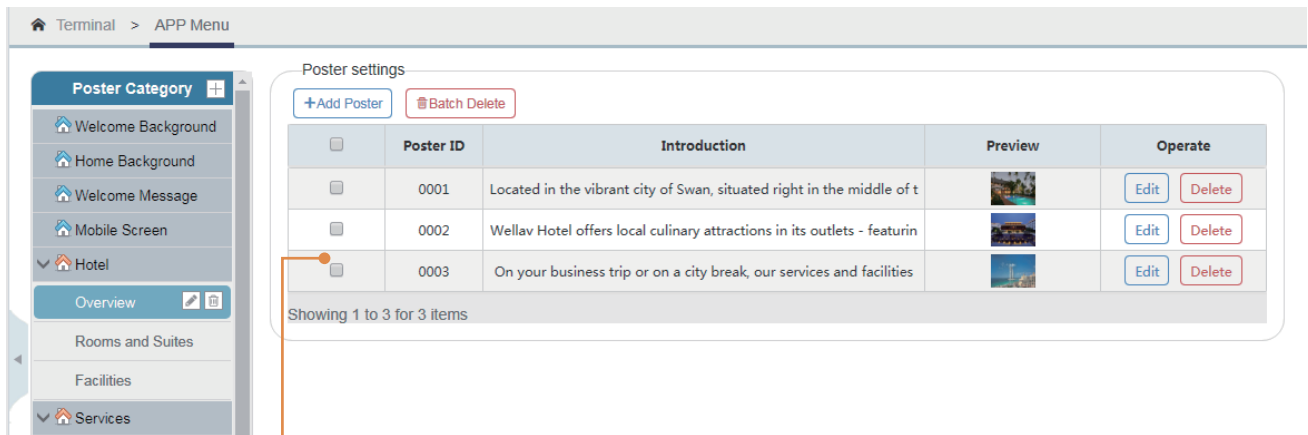
SYSTEM DIAGRAM

Commercial IPTV Solution

Satellite —RF→ | Cable —RF→ | Encoding Video — HDMI SDI/CVBS → | Internet — IP UDP/RTP/RTSP/HLS →

Receiving/Encoding/Transcoding/streaming

CMP201A(IPTV system)

The 3rd Party VOD | Private Channel | Facility/Service Information | Live TV | Emergency Information

Local Network — IPTV UDP/HLS →

Android STB + TV | Android TV | Samsung TV | LG TV

SPECIFICATIONS

Inputs	
Interface	2 x RJ45 ports, 100/1000M
Input Protocols	UDP/RTP/RTSP/HLS
IP Addressing	Unicast, Multicast, OTT URL
IGMP Support	Version 1, 2
IP Encapsulation	1 to 7 TS packets per IP packet
Internal input	1Gb streams

Outputs	
Interface	2 x RJ45 ports, 100/1000M, within 2Gb streams per module
Output Protocols	UDP/RTP/HLS

Systems	
Adapted host platform	CMP201A/AD
Web-based network management & software upgrade	

Physical & Environment	
Power Consumption	Max. 48W
Operating Temperature	0～40℃
Storage Temperature	-10～70℃
Relative Operating Humidity	＜95%
MTBF	≥100,000 hours

*HDMI/USB:Only for software installation, not for input/output

USER-FRIENDLY WEB GUI

Poster settings

	Poster ID	Introduction	Preview	Operate
☐	0001	Located in the vibrant city of Swan, situated right in the middle of t		Edit Delete
☐	0002	Wellav Hotel offers local culinary attractions in its outlets - featurin		Edit Delete
☐	0003	On your business trip or on a city break, our services and facilities		Edit Delete

Showing 1 to 3 for 3 items

Straightforward and easy-to-use
Custom menu, pages and contents for different uses

WELCOME PAGE

Custom logo

Automatically displays guest's name and gender

Custom welcome message

Custom background pictures

HOMEPAGE

Custom logo

Custom Wifi name & password

Custom logo

Custom text

Custom QR code

Custom pictures & videos
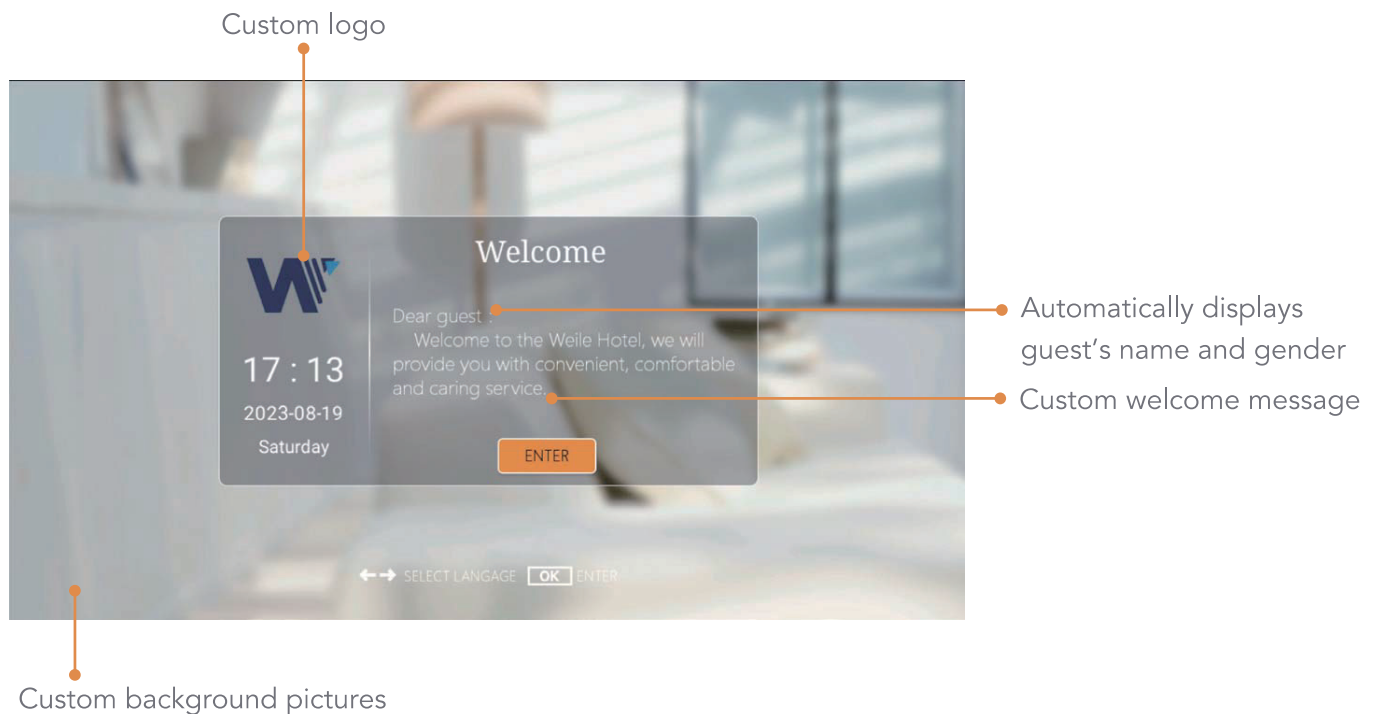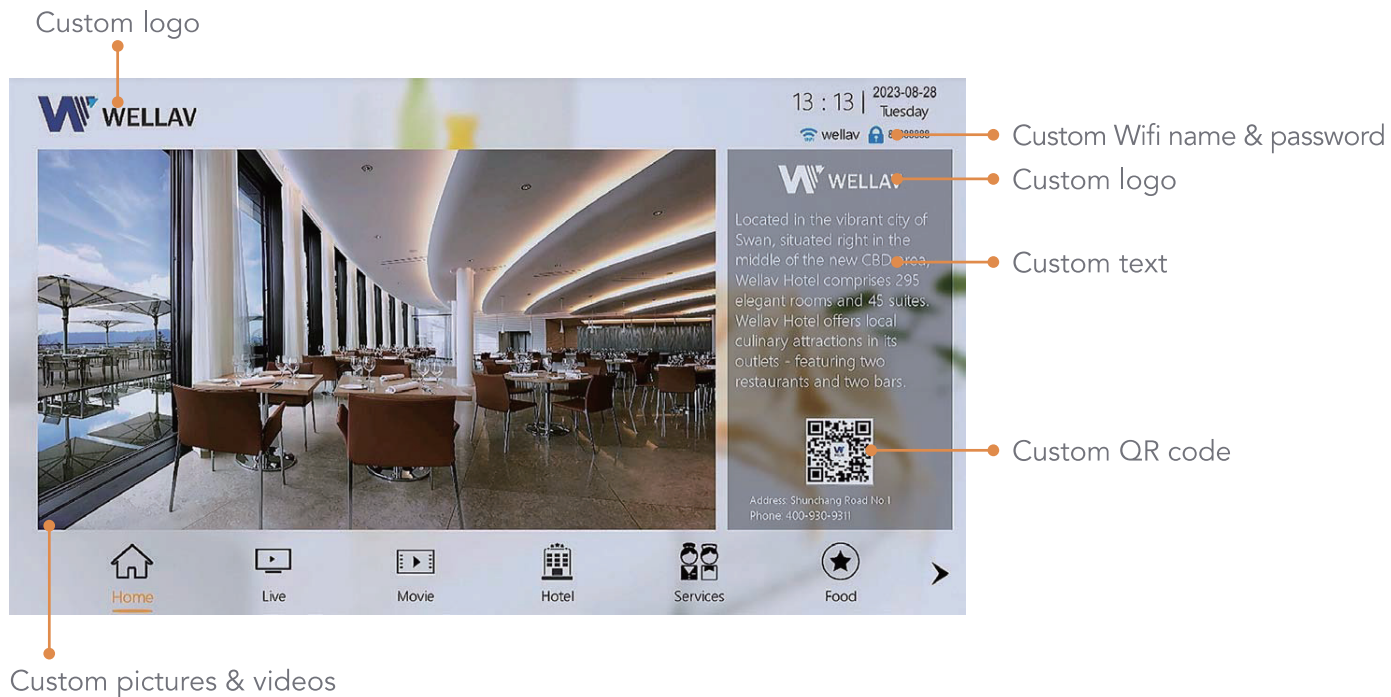
LIVE

- CP2-IPTV-00 module receives and re-orders up to 50 live unencrypted UDP/RTP services
- Multicast/Unicast "IPTV" Transport Streams, or HLS/RTSP protocol URL's with Transport Stream payload
- CP2-IPTV-00 module is fully compatible with CMP201A/AD chassis for converting off-air antenna signals, Cable TV, or Satellite into IPTV (UDP/Multicast)

Custom channel logo

Custom category and channel list

- CP2-IPTV-00 module is fully compatible with Impulse Streaming Kit for broadcasting on-site events over WiFi, On-premise IPTV, or even internet streaming to any RTMP destination (Youtube, Facebook Live, Twitch, Ustream, etc.)
- CP2-IPTV-00 module supports closed caption display when available

INTERACTIVE EPG

Straightforward EPG display
Supports integration with EPG providers
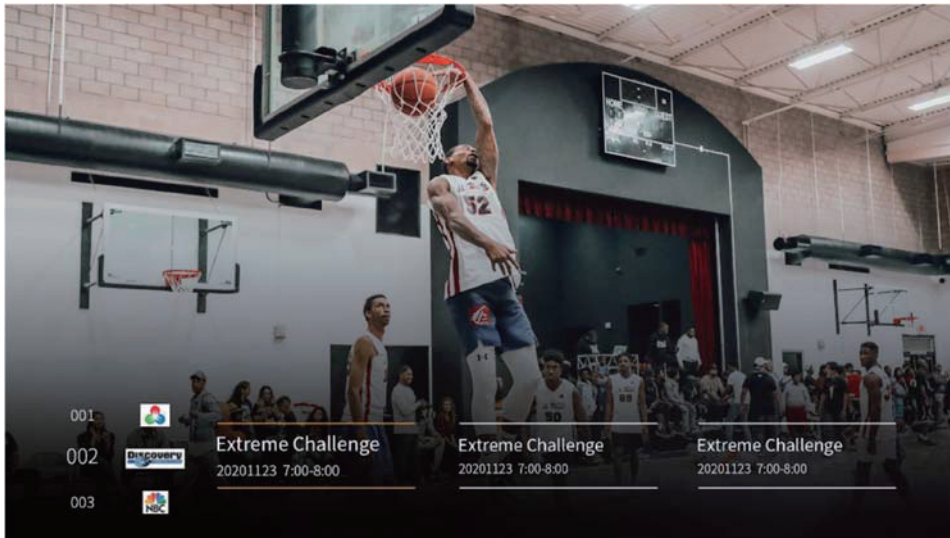
THE 3rd PARTY VOD

supports the 3rd party SVOD such as YouTube, NETFLIX, HBO and more.

SERVICES

Quick guide for hotel guests to use hotel services
Promote amenities and additional offerings to drive ROI

Customizable modules for advertisements

ORDER INFORMATION

Model	Description
IPTV Platform	
CP2-IPTV-00	IPTV package including hardware and software with basic features including live channel streaming, channel lineup, entry for 4 APPs, user-denied welcome/home page, user-denied menu options. Support two modes: Unicast (HLS) mode: support up to 50 live SD/HD channels and 200 devices. Multicast mode: support up to 80 channels and 500 devices ("send channel list only" mode). *Please use OMP150 IPTV server to support more channels and terminals.
Terminals	
WHD8000E	Android IPTV STB supports H.264/MPEG-2 HD/SD video and MPEG1L2/AAC/AC3 audio decoding. It works with Wellav CMP201A/AD and OMP150 platform.
WHD8003	Android IPTV STB supports H.264/H.265 decoding up to 4K@60fps. And supports MPEG1L2/AAC/AC3 audio decoding. It works with Wellav CMP201A/AD and OMP150 platform.
CP2-IPTV-00-Android-10	License for 10 Android-based TV or STB devices
CP2-IPTV-00-Samsung-10	License for 10 Samsung TV devices
Special Function License	
CP2-IPTV-00-PCH	Private channel
CP2-IPTV-00-OLY	OSD/Image overlay
CP2-IPTV-00-RCC	Remote content control
CP2-IPTV-00-ATA	Additional 4 third-party APP license
CP2-IPTV-00-DCL	License to create different channel lists for different end users
CP2-IPTV-00-EPG	Interactive EPG

* Attention: Multicast mode requires well-managed IP network (such as configuration of multiple subnets, VLANs, IGMP and etc), while HLS mode can work well in normal network environment without requiring any change on network configuration.

* The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.