

## WHAT IT IS & WHY IT MATTERS?

Hotel IPTV systems revolutionize how cable TV systems served hotel guests by providing HD, UHD, 4K, or higher resolution TV content and interactive services. Additionally, they streamline hotel management workflows and enable centralized content management with integrated IPTV management software. This improves in-room entertainment, allows for dedicated advertising and promotions, and lowers management costs with a one-time payment that includes IPTV headend equipment and software, eliminating the need for constant subscription fees.



Hotel With Cable TV - with static noise



Hotel With FMUSER IPTV - Clean & Clear

## CABLE TV SYSTEM VS. FMUSER IPTV SYSTEM



### COST

Prices are high and constant, especially for cabling and equipment upgrades (e.g., aging copper). A monthly TV channel subscription fee is a significant burden for hotels, and hidden costs exist.

Affordable. All cost goes with one-time payment. You can share CAT6 network cables with other systems without a constant content subscription; free and paid channels are optional.

### EQUIPMENT

The headend server, modulators, encoders, decoders, multiplexers, routers/switches, and distribution amplifiers.

FMUSER's hotel IPTV system includes the FBE700 IPTV server, FBE308 tuner ird (FTA/CAM), SBE302 UHF receiver, FBE208 HDMI encoder, FBE010 IPTV set-top box, and more IPTV equipment as needed.

### FUNCTIONS & INTERACTIVITY

Limited interactivity between channel switching, pause, and rewind.

FMUSER's hotel IPTV system is highly interactive, accessible through a range of IPTV special functions: welcome messages, video on demand (VOD), paperless food and beverage management, interactive IPTV menus, live TV (FTA/CAM), VOD library, call-free hotel services, and more.

### QUALITY OF EXPERIENCE

Bad entertainment experience, image quality mainly SD, basic sound quality, and vulnerable signal stability, prone to interference, snow, and pixelation.

Premium entertainment experience. FMUSER's hotel IPTV system offers SD, HD, UHD, and higher resolutions with Dolby Surround Soundtrack. Signal stability surpasses CATV systems in the hotel sector.

### CUSTOMIZATION

Limited: a fixed channel lineup, where adding more channels means higher subscription prices; besides, no customization options exist.

Versatile. From channel sources (free or paid) to the number of TV channel packages, hotel logo, hotel introduction, menu and function icons, and welcome messages with guest names, everything is digitized and customizable from top to bottom.

### FLEXIBILITY

Low flexibility. Once the system is installed, it's difficult to make significant adjustments for hardware additions.

Highly flexible. FMUSER's hotel IPTV system allows hotels easy upgrades in both software and hardware when they need to be enlarged by adding TV channels and customizable features and functions.

# HOTEL IPTV SYSTEM MASTERY

## EQUIPMENT STRUCTURE

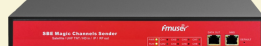
With a well-designed IPTV equipment structure, hotels can enhance guests' in-room entertainment experiences, conduct in-room advertising, and streamline hotel management. FMUSER provides a range of IPTV headend equipment for hotels and resorts, which can be customized with various hardware and software options

### #1: FBE700 IPTV Magic Sever



FMUSER FBE700 is a rack server with integrated input boards (FTA/CAM/HDMI optional), featuring a low-cost design and serving as the 'brain' of FMUSER's hotel IPTV system, enabling robust IP streaming and management efficiency from the IT room to the guest room.

### #2: SBE302 UHF Receiver



FMUSER SBE302 is a rack-mounted UHF receiver that works with a UHF Yagi antenna, specifically designed to capture UHF TNT terrestrial signals, enabling the integration of over-the-air content. It is important in some UHF-reliant countries.

### #3: FBE208 HDMI IPTV Encoder



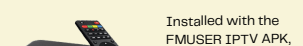
FMUSER FBE208 is a rack encoder for HDMI to IP conversion. In addition to RF content, there are also external content supplements, most of which are packaged into a container output via HDMI, such as DVD player, flash drives, etc. When hoteliers want to incorporate this content into the IPTV system, an HDMI encoder is needed.

### #4: FBE308 FTA/CAM Tuner IRD



FMUSER FBE308 is a commercial rack IRD specifically designed for satellite TV channel management. Depending on hotel conditions, two versions are provided: the FTA (Free-to-Air) IRD for free TV channels and the CAM (Conditional Access Module) IRD for paid and encrypted TV channels.

### #5: FBE010 IPTV Set-Top Box



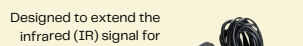
Installed with the FMUSER IPTV APK, it is placed in guest rooms for accessing IPTV content on TVs.

### #6: Smart Hotel Televisions



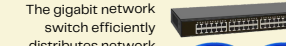
A range of quality TV sets compatible with the FMUSER hotel IPTV system provides interactive entertainment for hotel guests.

### #7: IR Signal Extender Kit



Designed to extend the infrared (IR) signal for FBE010 set-top boxes, this kit ensures functionality even when the devices are tucked away behind TV sets.

### #8: Gigabit Switch & CAT6 Cable



The gigabit network switch efficiently distributes network traffic, while CAT6 Cable delivers the bandwidth needed for high-definition video streaming.

### #9: Satellite Multiswitches



Allow a single satellite feed to be split to the IPTV headend server (RF to IP) and routed efficiently to various locations in the hotel.

### #10: RG9 Cable & F-Connector



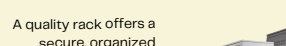
Designed to minimize signal loss and interference over longer distances, they play a crucial role in the transmission of high-quality audio and video signals within hotel IPTV systems.

### #11: Satellite Dishes & LNBS



Use a KU-band antenna (≈1.2 meters) or a C-band antenna (>2 meters) for sufficient signal strength. Avoid civilian-grade antennas (e.g. 0.9 meters).

### #12: Server Racks & Cabinets



A quality rack offers a secure, organized space for IPTV equipment, optimizing space efficiency while ensuring proper cooling and easy maintenance.

### #13: UHF Yagi Antenna



The UHF Yagi antenna, when paired with the SBE302 UHF receiver, plays a crucial role in a hotel IPTV system by effectively capturing TNT terrestrial signals

### #14: Work with FMUSER!



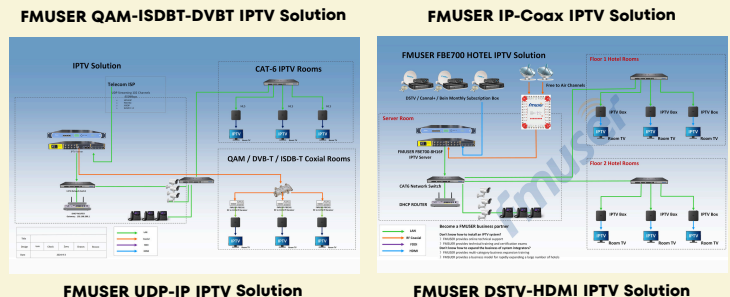
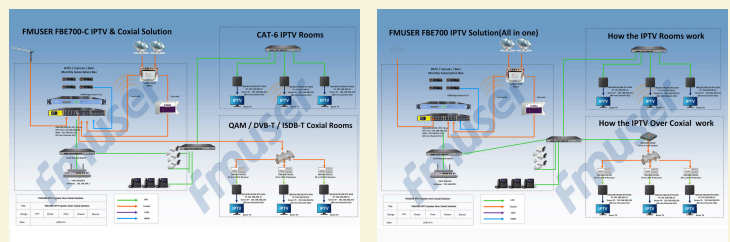
FMUSER is here for you 24/7/365. Our IPTV engineering team is ready to assist you with every hotel IPTV project, addressing all issues related to installation and maintenance.

## TOP APPLICATIONS

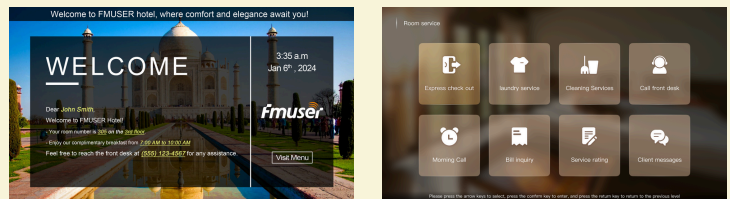
- Hotels and Resorts
- Hospitality Sector
- Maritime Environments
- Fitness Areas
- Government Facilities
- Educational Institutions
- Prisons
- Internet Service Providers (ISPs)
- Enterprises
- Healthcare Facilities
- Transportation Sector

## HOW IT WORKS?

Generally, RF signals (e.g., satellite, UHF) are first received by a **dish and UHF antenna**, then transmitted through **RG9 cables** connected to an **FBE308 tuner IRD** and an **SBE302** UHF receiver installed in the **IT server rack**. These signals are then converted into IP streaming to the **FBE700/FBE800** IPTV server, while external signals (e.g., HDMI/SDI) are converted by the **FBE208 IPTV encoder**. All signals are transmitted as IP to the **FBE010** set-top boxes (with the **FMUSER IPTV APK** installed) located in hotel guest rooms, which are connected to the TV by **CAT6** cables. Guests can access high-quality TV channels and interact with the set-top boxes using the TV remote. The APK also allows interaction between hotel operators and guests.



## MAIN FUNCTIONS



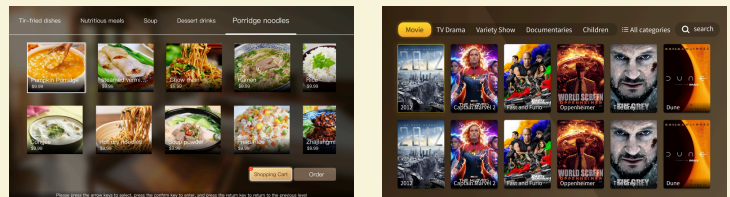
### Welcome Messages

### Calless Hotel Services



### Interactive IPTV Menu

### SD/HD/UHD/4K Live TV



### Paperless Hotel F&B Order

### Enhanced VOD Library

## A STEP-BY-STEP GUIDE TO BUILD YOUR HOTEL IPTV SYSTEM

### 1 EVALUATE THE PROJECT

Before diving into the implementation of an IPTV system, it's vital to assess the hotel's specific needs, including the number of rooms, bandwidth requirements, and desired features.

#### FAQs:

- How many rooms of the hotels? Is it a new or already built hotel?
- Do hotels need to IPTV upgrade or replace the cable TV system?
- Is free or paid TV channels needed? How many are needed?
- Is WIFI or network infrastructure already built?
- How can I determine the needed bandwidth for my hotel?

### 2 LOOK FOR EQUIPMENT AND SUPPLIER

Once the project evaluation is complete, the next step involves researching and selecting appropriate equipment and suppliers.

#### FAQs:

- What types of equipment are essential for an IPTV system?
- How do I choose the right supplier for my IPTV system?
- Is it important to consider future scalability when selecting equipment?

### 3 PREPARE FOR ON-SITE INSTALLATION

Preparation for the installation process involves coordinating schedules, ensuring that all equipment is ready, and preparing the physical space for the installation team.

#### FAQs:

- Should I do it my own or ask for supplier for help?
- What should I do to prepare the site for installation?
- How long does the installation process usually take?
- Should I have staff on-site during the installation?

### 4 DOUBLE-CHECK EVERYTHING

After installation, it's crucial to conduct thorough testing of the IPTV system to ensure all components are functioning correctly.

#### FAQs:

- What specific aspects should I test during the double-checking phase?
- How can I gather feedback on the system's performance?
- What should I do if I encounter issues during testing?

### 5 TRAINING AND HANDOVER

Once the system has been installed and tested, it is essential to train hotel staff on operating the IPTV system. A formal handover of documentation, including user manuals and system guides, should also take place.

#### FAQs:

- What topics should be covered in the training sessions?
- How long should the training take?
- Will ongoing support be available after the training?

### 6 MAINTENANCE AND UPDATES

Once the system is up and running, implementing a maintenance plan is essential for keeping the IPTV system updated and functioning optimally.

#### FAQs:

- What is included in regular maintenance for an IPTV system?
- How frequently should updates be performed?
- What should I do if I encounter technical issues after installation?

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