



DEPICTING YOUR
DIGITAL
VISIONS

eBahn Solutions

Since our humble beginning in 2005, we have been providing in-room high speed Internet Access (HSIA) and Internet Protocol TV (IPTV) distribution services for the hospitality industry. Our passion has since led us to the development of our suite of innovative solutions for the industry, i.e. BITS IPTV Systems, ALPS Gateway, IVO Media Digital Signage Systems and TEAMS Interior Mapping Systems.

The system

Our IPTV Solution is designed to perfectly fit into the hotel environment and blends with the guests' lifestyle. With a range of outstanding features, our system makes the hotel room a self-sufficient entity that never fail to thrill your guests.

Standard Features

Welcome page	—	Welcome your guests into their room with a warm message that provides a great first impression.
Main page Info	—	Push across important information easily in captivating images on our main page.
TV Channels	—	Deliver a collection of quality TV Channel streaming over IP.
VOD	—	Entertain your guests with collections of chargeable movies that never fail to captivate them, i.e. with or without billing.
Amenities	—	Provide your esteemed guests with readily available and important information about your hotel amenities, promotions and events.
Guest Services	—	Relay real time invoice and charges information to your guests for better understanding.
Weather	—	Keep your esteemed guests updated to the local weather forecast for the day or five days straight.

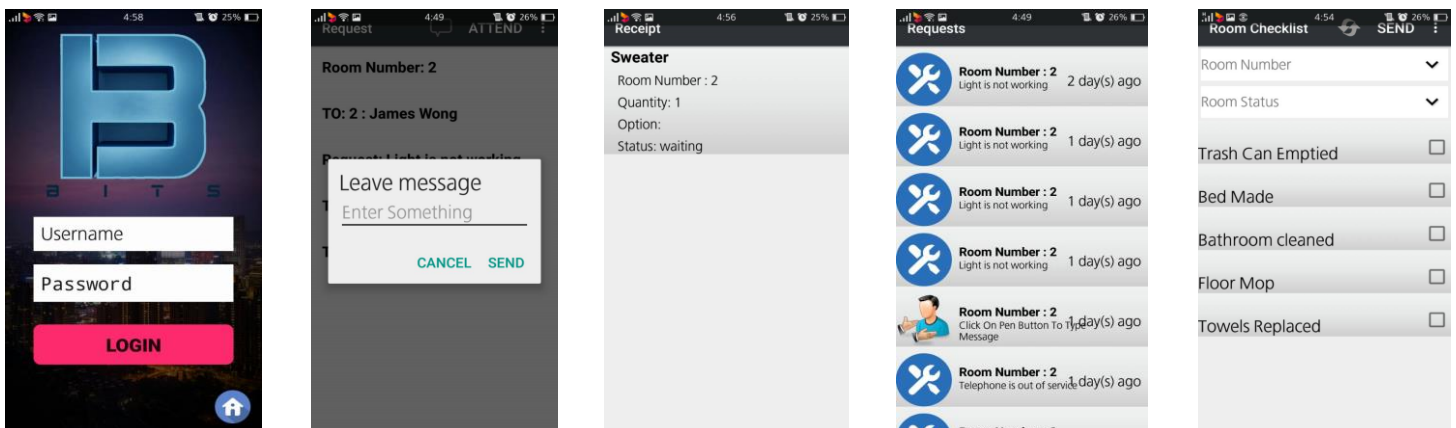
Interactive Functions

With BITS, the hotel can provide the convenience for the guests to communicate with the front desk through our system that is tailored to handle all Guest– to– Front desk requests.

Mobile Apps — Allow esteemed guests to access real time invoice and charges information on their mobile devices by **QR Code scanning**.

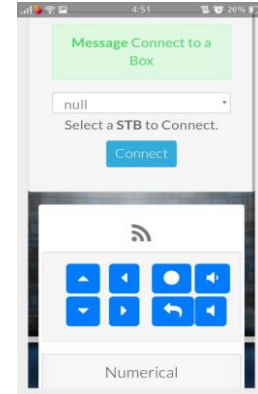
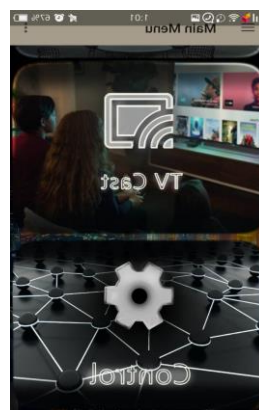
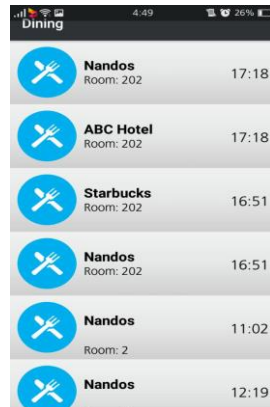
*(Allow housekeeping staff to access housekeeping checklist on their mobile devices by **QR Code scanning**.)*

Housekeeping — Paperless/ electronic room status update and mobile device housekeeping checklist for housekeeping staffs.



Room order

— Present your esteemed guests to a variety of restaurant menus to order and guest room supplies to buy in the comfort of their rooms.



Add-Ons

— Other functionalities provided include **User (Guest) Ratings**, **Remote Control help**, and **RSS news feeds** all designed to make your valued guests' experience a delightful one.

PMS Integration

—

Our system is designed to fully integrate with your PMS to provide a seamless experience with BITS IPTV System

Systems Overview

Typically, IPTV systems capitalized on the robust and high speed Internet backbone infrastructure.

BITS IPTV System is deployed securely within the hotel IP network. The main components of the systems are as follows:

1. IPTV Middleware Server – BITS Central Control Server (BCCS)
2. Channel Source Decoder – Cable Service provider (Astro)
3. BITS Channel Encoder – For SATV or DVB-T TV channels
4. Hospitality TVSTB – Please refer to “Our Device” Section
5. Switch – Network Hardware
6. HDMI / AV to IP Encoder – IP Stream Encoding hardware

1. BITS Central Control Server (BCCS)

BITS IPTV System is deployed with a central server that enables Admin to control all set-top boxes remotely.

On the Central Server, admin can access functionalities that include client settings, content management, device management, hardware and connectivity, troubleshooting and remote client control.

2. Our e - Commerce Server (optional)

This server is complementary to our e – Commerce and Interactive Modules in the IPTV System. It provides the front desk admin access to communication and order data from guests / clients.

Functionalities include guest room requests, guest room orders, guest room messages management and control.

3. Channel Encoder

The TV channels from Off-air terrestrial TV stations and/or Satellite TV broadcast will be converted to streaming channels before distributed to the designated individual TV display. The STBs or Smart TV Smart Hospitality will decode the streaming contents.

Our encoder supports H.264/264 encoding which reduce the file size of the encoded video contents; which effectively consume less bandwidth.

DMB-8840 Premium
IPTV Streaming Encoder



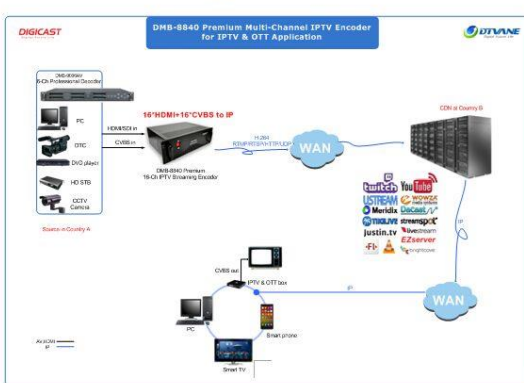
Up to 16*HDMI + 16*CVBS inputs Swappable
Multiple IP protocol outputs
UDP, RTSP, HTTP, RTMP, ONVIF
Can be Configured to PUSH or PULL Mode to Wowza Server, Youtube, Ustream etc.

484mm
365mm
148mm

IP streaming port
Web management
HDMI input
CVBS input

DTVANE

Application



DTVANE

Skype:lisaee690929 | Phone:+86 18167118312(Whatsapp/Wechat) | Email: lisa@digicast.cn

4. In-room Equipment

a. SMART TV

With the maturity of the SMART TV systems and increasing acceptance, BITS SMART embraced and integrated with SMART TV systems, i.e. LG and SAMSUNG TV, to provide our IPTV services.



b. MEDIA or Set-Top-Box (STB)

The Media or Set-top-box are proprietary and integral parts for the use with BITS IPTV Systems and will not be able to function outside the hotel networks.



5. Licensing

Management and control of all STBs deployed in the networks are through the BCCS. With licensing, BITS IPTV System is able to disseminate and update new firmware and enhanced features to each of our systems including the STBs deployed in the hotel. The licenses are centrally managed as stipulated under the Annual License Subscription agreement.

6. Support and Maintenance

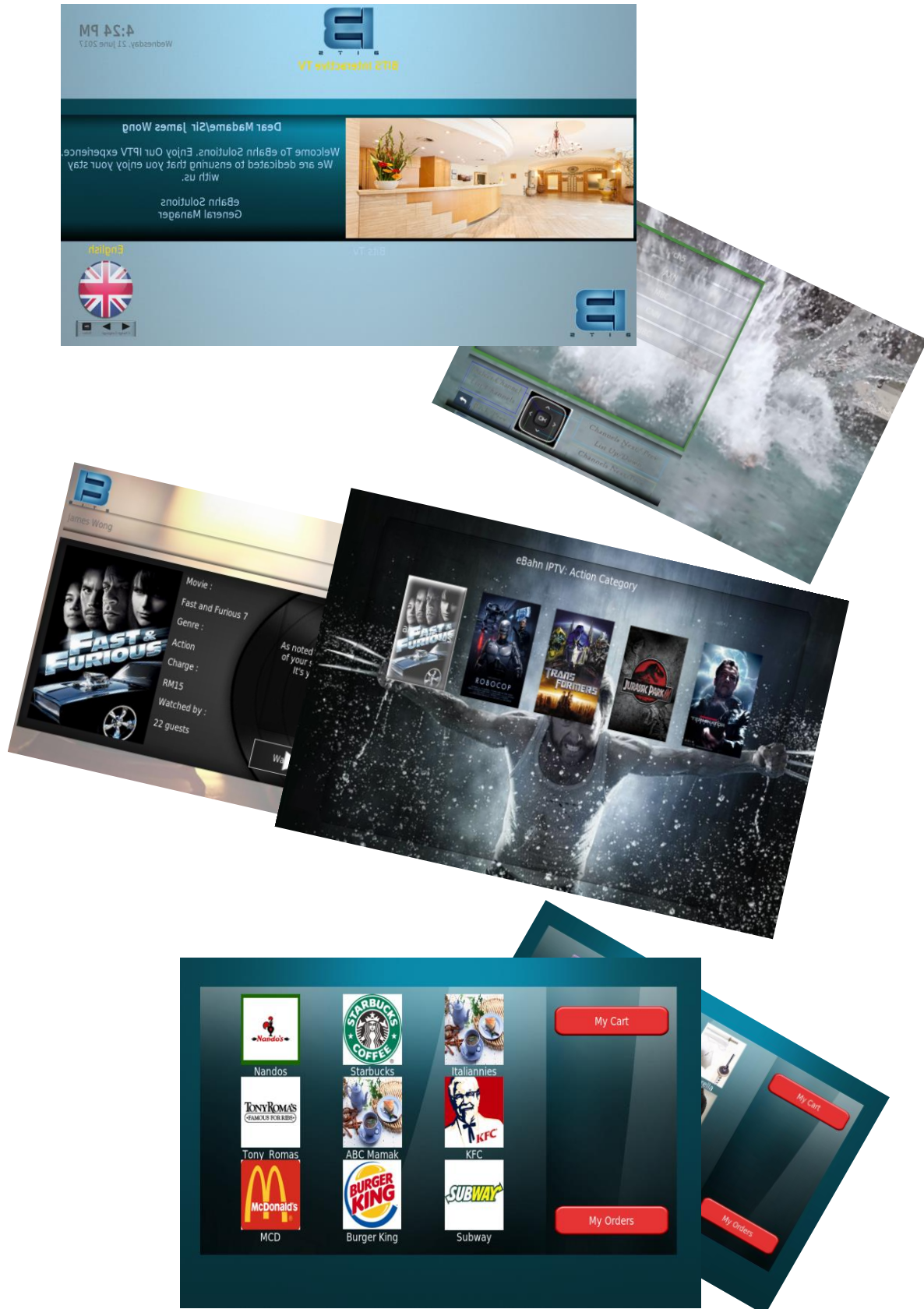
All warranty and support services are thereby strictly limited to the validity of license.

The support and maintenance include:

1. On-line consultation on systems debug and troubleshoot
2. Preventive maintenance on-site
3. Emergency response Team on-site in case of Critical failure.

The details will be outlined in the service level agreement signed with the hotel.

7. Featured User Interface (UI)



OUR SUITE OF SOLUTIONS



1. BITS IPTV Systems
2. ALPS Gateway for Internet Access Management
3. ALPS NIMS, a cloud base network marketing systems for manage WiFi
4. IVO Media Digital Signage Systems
5. TEAM Interior Mapping and Directory Systems