

I n t e r a c t i v e T V s o l u t i o n s



ANTIK

HOSPITALITY ²⁰²¹

SUITE

- ✓ Interactive Guest Room IPTV
- ✓ Digital Signage
- ✓ Event navigation
- ✓ Guest-Room Management System
- ✓ Transport Infotainment

A modern hotel room interior featuring a large bed with a patterned grey coverlet in the foreground. In the background, a large floor-to-ceiling window offers a view of a blue sky with white clouds. To the right, there is a white floating shelf unit with a dark wood panel and a small framed picture. The ceiling has recessed lighting.

CONTENT

END-2-END HOSPITALITY IPTV

ORACLE

Partner



4	About Antik Technology
6	Antik Hospitality Suite
8	Antik Interactive Guest Room TV
12	Antik Hospitality Samsung App
16	Antik MaXIM Hospitality Management Server
22	Antik Event Navigation System
26	Antik Digital Signage Solution
28	Antik Housekeeping and Facility Management System
32	Guest Room Management System (GRMS)
34	Antik Guest App
44	Antik Hospitality STBs
48	Antik IPTV Demokit
52	Hospitality IPTV Scenarios (Schemes)

ABOUT

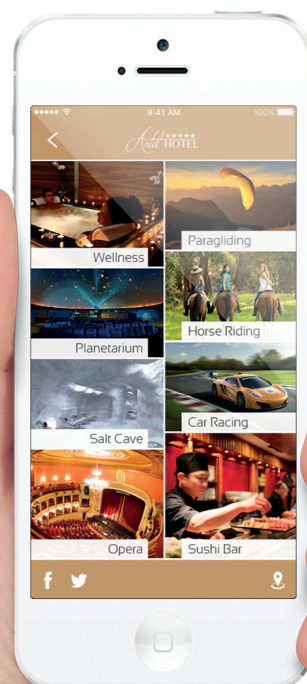
Antik Technology



ANTIK Technology develops End-to-End IPTV / OTT Solutions for operators, hospitality business, content providers and retailers. It is one of the few global companies with own hardware and software products for complete IPTV ecosystem from acquisition, transcoding, streaming, management, monitoring, protection to middleware smart apps and end-user devices. Our current position on global market benefits from more than 20 years of experience in the area of video processing.

ANTIK's IPTV products are supported by the team of more than 180 employees. Software development teams are based in Slovak Republic (European Union), hardware development team in Czech Republic (EU), logistics and HW manufacturing in Shenzhen, China and customer and technical support covering Asia, Middle East, Europe, Africa, North and South America.

Nowadays our reference clients are spread over the world, using our HD and 4K set-top boxes with state-of-art Antik middleware and smart apps in closed multicast networks, on public internet, in hotels, hospitals even in prisons streaming thousands of live or archived TV channels to end-users located elsewhere with Antik HLS Media Streaming Solution protected by KeyRider Encryption System. We deliver fully customizable End-2-End hospitality IPTV, digital signage, navigation in conference premises, facility management and more to residential projects and hotels in most visited global touristic spots. Antik reception headends, encoders and transcoders together with our CDN components serve content providers worldwide to enable them to have the right linear channels in high picture quality on right place all for minimum running costs.





END-2-END HOSPITALITY **IPTV**

ORACLE

Partner

ANTIK
technology

ANTI-K

HOSPITALITY SUITE

- ✓ Guest Room Interactive TV
- ✓ Event Navigation
- ✓ Digital Signage
- ✓ Guest APP
- ✓ Housekeeping Management

Top-level entertainment for you guests

Crystal clear **HD/4K TV channels**

Welcome screen

All guest services on TV screen

Hotel bill, Food ordering,

Messaging (3 different modes) and more

On-demand movies

Catch-up TV

Content Management System

Internet apps + Mediaplayer

Quick setup

Weather

Sightseeing info



PMS INTEGRATED

- ✓ Opera
- ✓ Comanche
- ✓ Horec
- ✓ Hores
- ✓ Hotel Time
- ✓ IDS
- ✓ Fidelio

ORACLE

Validated Integration

Oracle Hospitality

4K
ULTRA HD

NEW!

TIZEN

Samsung
TizenOS SmartTV
integrated



ANTIK
technology

WELCOME, JOHN BLACK



YOUR ROOM
101

ANTI-K HOSPITALITY GUI interactive TV



CHANNEL
LIST



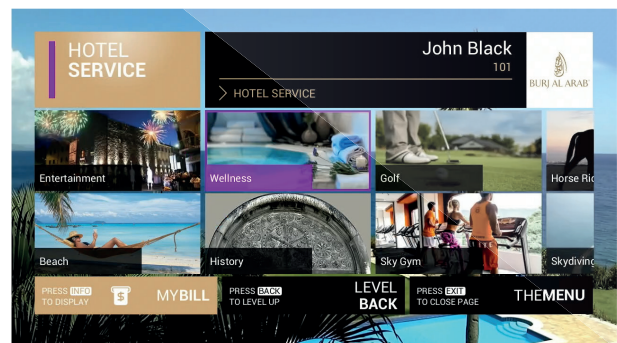
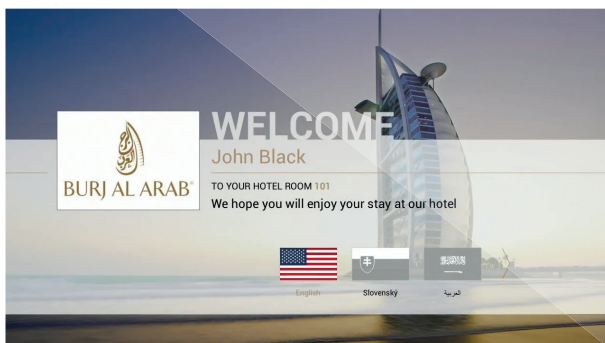
FOOD ORDER



ORDER
PACKAGES



HOTEL S



DATE TIME

24.8 °C 
PARTLY CLOUDY

09:19
28 AUG 2020



You Tube

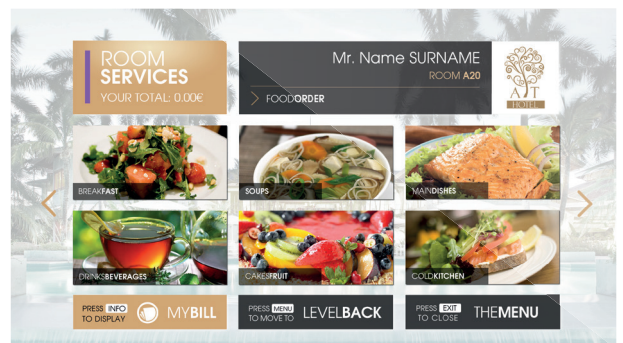
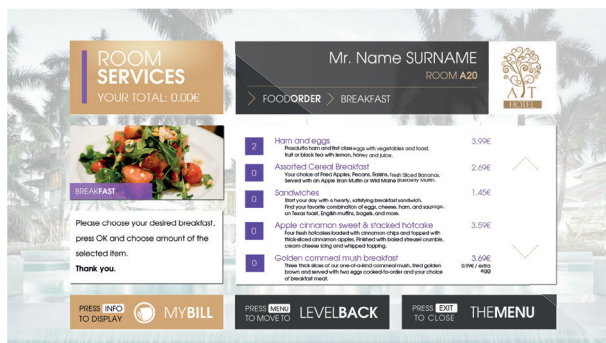


SERVICE

YOUTUBE

MY BILL

HOTEL SERVICE



MAIN MENU

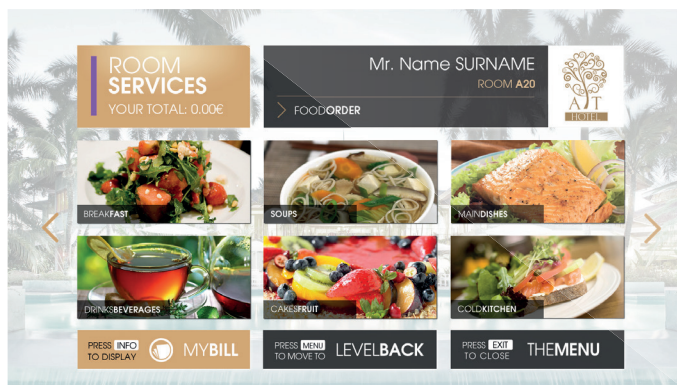
Easy to navigate customisable interface with direct access to food delivery, video on demand, my bill and other upsell and crosssell options.

All icons and color schemes are quickly adaptable to hotel visual identity using Content Management System.



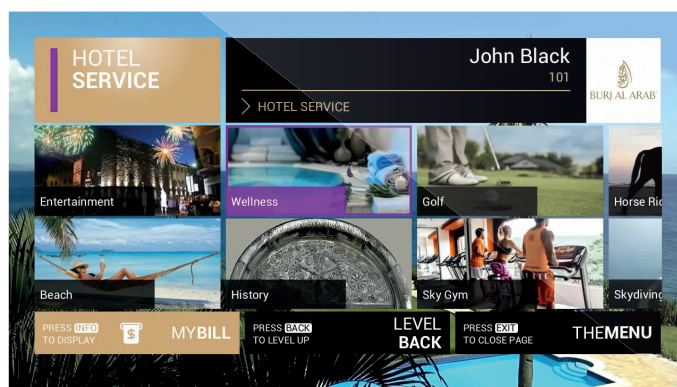
FOOD DELIVERY

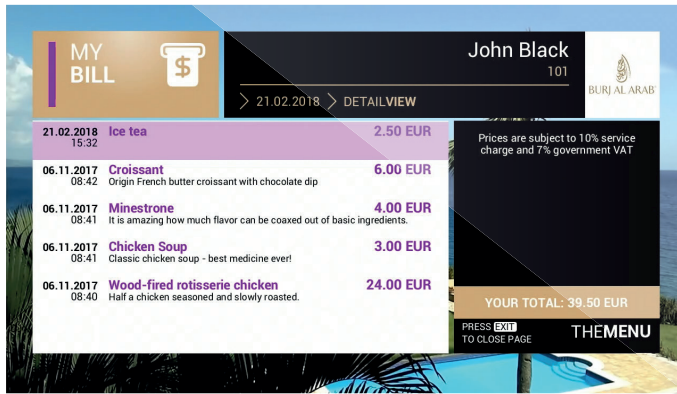
All your room-service offer is now available via guest TV set. The only thing that a guest has to do is select food option and confirm by OK button. All guest requests can be transferred directly to PMS, printed in the kitchen and/or be collected on the reception desk screen. Product definition allows to create multiple restaurant offers with multiple categories and subcategories.



HOTEL SERVICES

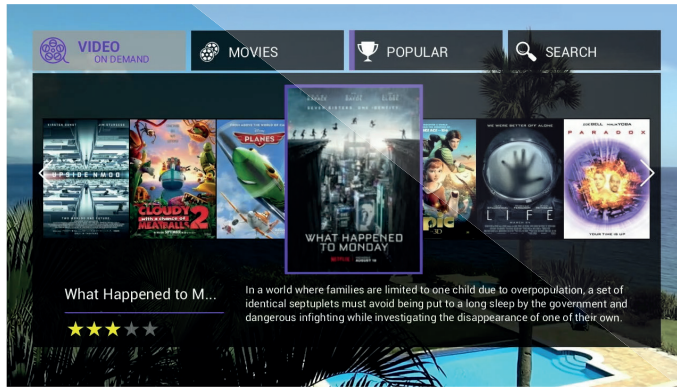
Hotel can easily add or remove its products and services - from wakeup calls, through massages, restaurant or tours reservations to taxi orders. Everything is managed by content management system and the result appears without any intermediary work on guests TV sets.





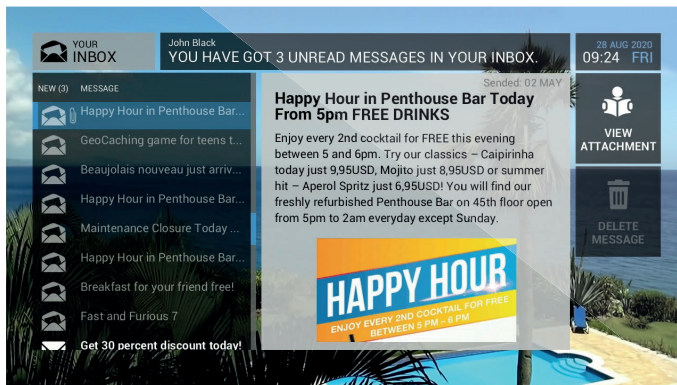
MY BILLS

Thanks to integration with your hotel PMS, all guest orders ordered through IPTV or other hotel departments will appear on one simple table for guest to review before check-out.



INTERACTIVE TV

UHD TV, Electronic Program Guide, timeshifted TV and movies on demand all on your guest room screens. Media Player, web access and internet apps will complete the guest experience.



MESSAGING

All messages from reception appear on TV screens immediately. Older messages are stored in guests inbox on TV, notifications (e.g. fire alarm) as well as scrolling messages are available too. Integrated with your PMS for automated message delivery.



Top-level entertainment
for you guests

Antik Samsung TV APP

NEW!

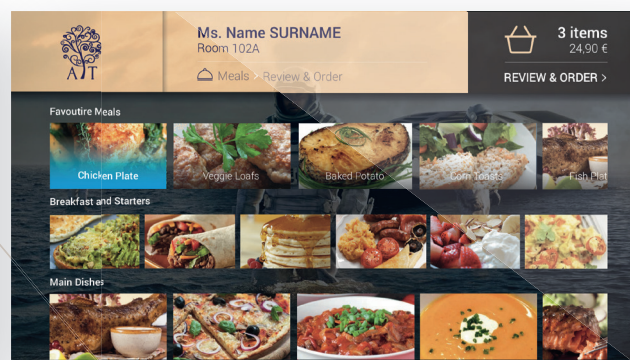
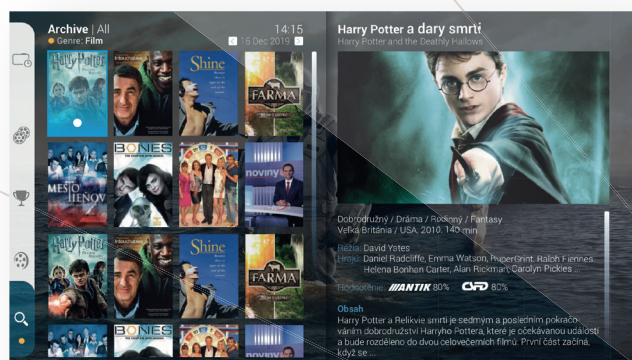
TIZEN™

Samsung
TizenOS SmartTV
integrated

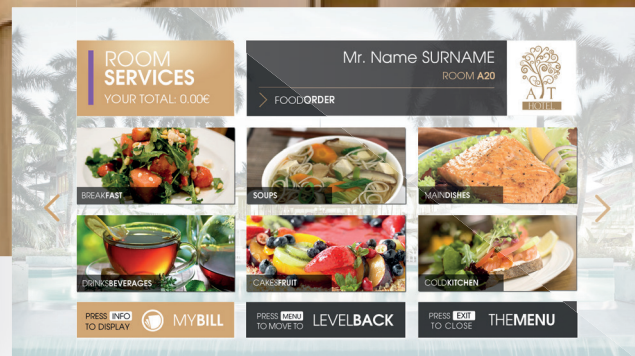
Antik Samsung TV App brings all your hospitality offers on your guests TV Screen. 24/7 available, easy understandable multilanguage interface increases the change to sell your food service, relaxation, sightseeing and business guest products.

- ✓ Interactive TV with Rich EPG
- ✓ Hotel Services
- ✓ Welcome Screen with Language Selection
- ✓ Movies on Demand
- ✓ Food Order
- ✓ Weather
- ✓ Messaging
- ✓ Youtube Access





End-To-End IPTV for your property



UHD/4K TV, latest entertainment options, top guest experience

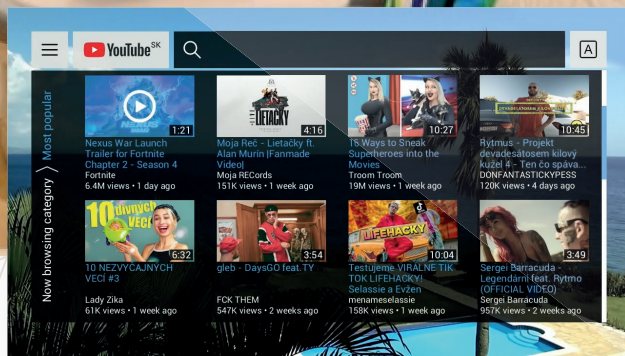
Antik Hospitality delivers easy to set-up turnkey head-end and guest room and public premises equipment for live TV integrated with all related services and entertainment options.

Using Antik 4K set-top boxes you can be sure about future-proof media solution fulfilling highest guest expectations

All Guest Services on TV screen

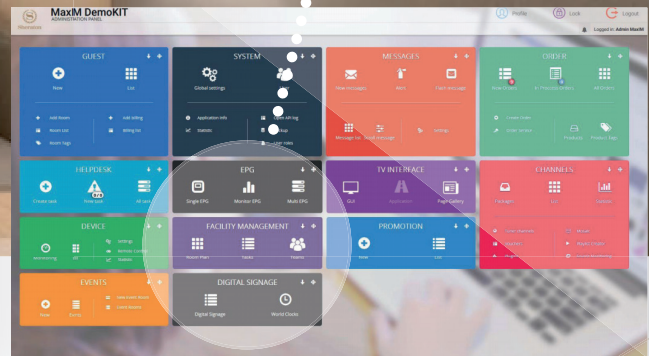
Antik Hospitality IPTV brings all your hospitality offers on your guests TV Screen. 24/7 available, easy understandable multilanguage interface increases the chance to sell your food service, relaxation, sightseeing and business guest products. All easy to setup and modify without any need of complicated coding or expensive support.

4K
ULTRA HD



Top-Notch Fun Features

Perfect to keep your guest entertained any time of the day. Latest HD/4K movies, local sightseeing information, or using DLNA mediaplayer to share hotel entertainment database or guests USB storage to allow them to view latest pictures from the busy day spent on attractions. Instant access to web browser and most viewed apps - youtube, facebook, etc.



IPTV Management Server MaxIM

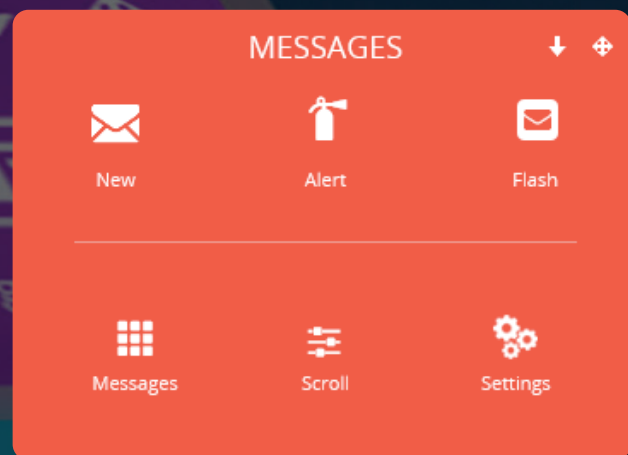
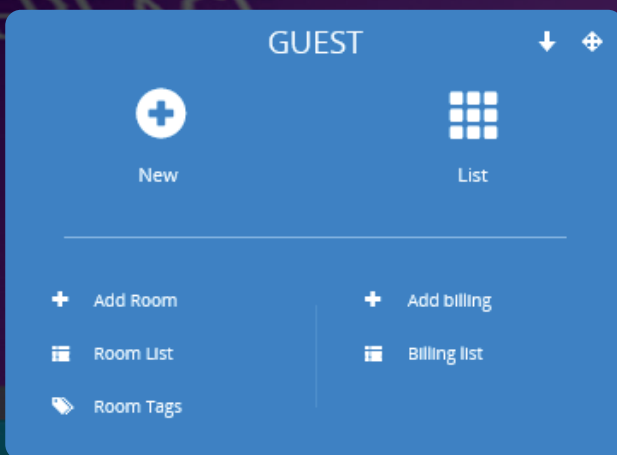
Antik Technology presents a professional cost-effective SW solution for a seamless management of your Antik Hospitality Suite. MaxIM is the cornerstone of Antik Middleware Server Family. You can easily define your channel packages, configure all or only selected customers' STBs, collaborate with other part of the Antik Server Family such as Antik Archive Servers, Antik Mosaic Servers and VoD servers. The MaxIM management server SW is already integrated to major PMS's, so that your users' set-top boxes will be automatically activated and monitored using the same software your employees are familiar with. Signage, Guest Apps, Guest navigation and Housekeeping is controlled same interface too.

ANTI-K IPTV

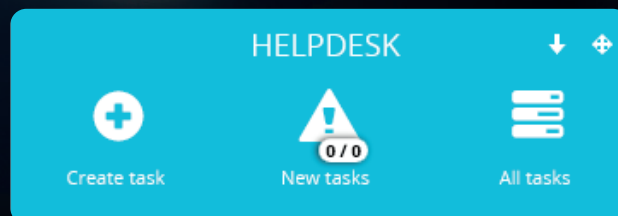
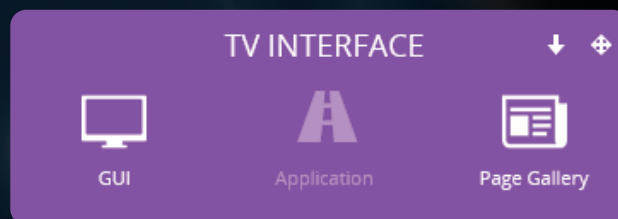
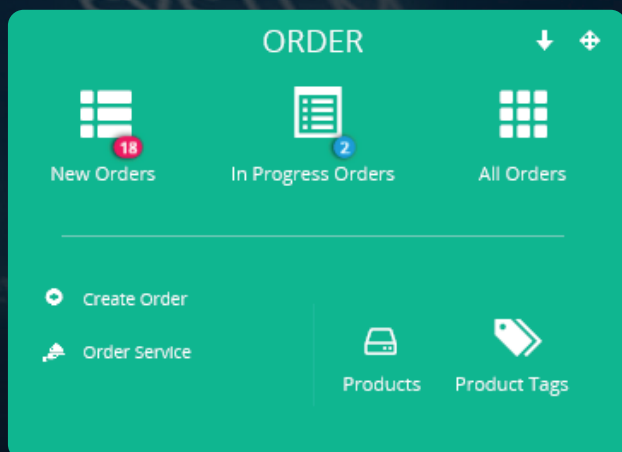
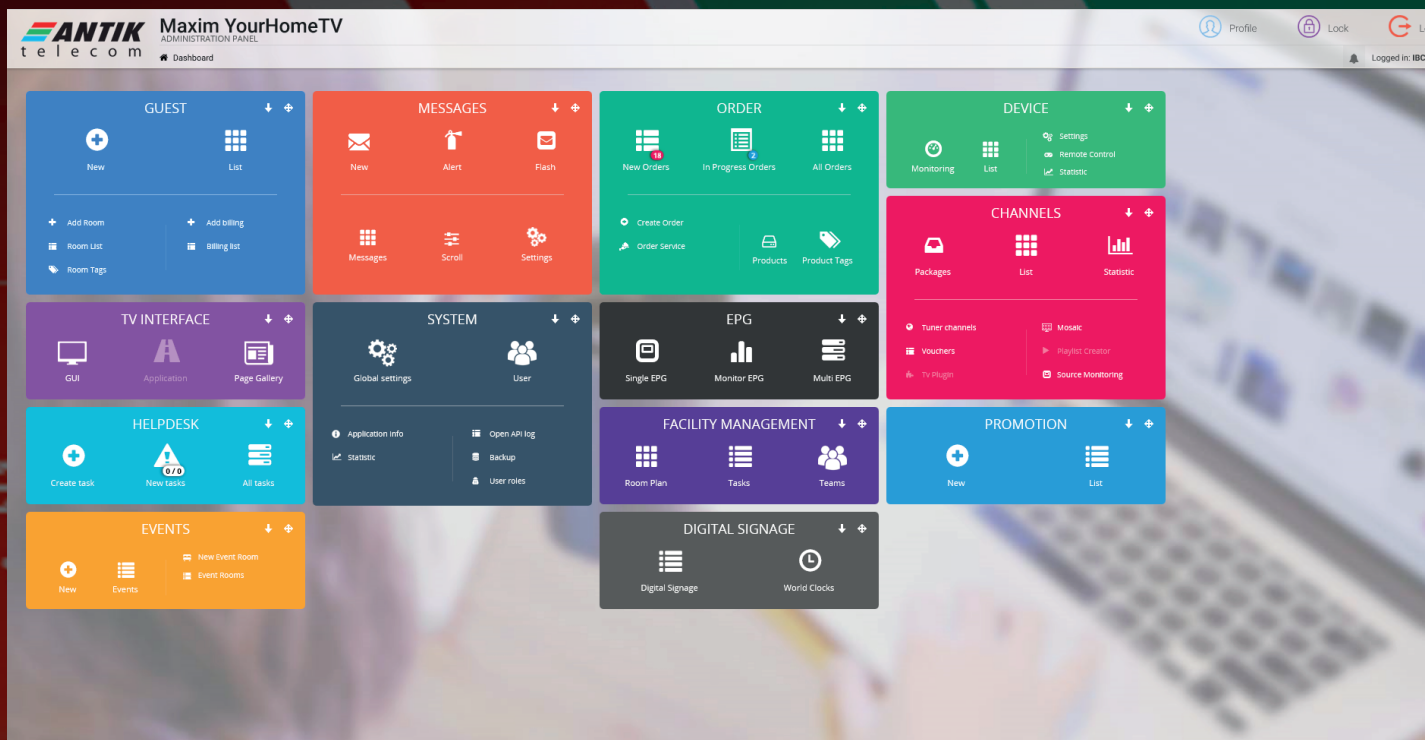
Management Server **MaxIM**

Antik Technology presents a professional cost-effective SW solution for a seamless management of your Antik Hospitality Suite. MaxIM is the corner stone of Antik Middleware Server Family. You can easily define your channel packages, configure all or only selected customers' STBs, collaborate with other part of the Antik Server Family such as Antik Archive Servers, Antik Mosaic Servers and VoD servers.

The MaxIM management server SW is already integrated to major PMS's, so that your users' set-top boxes and Hospitality SmartTV apps will be automatically activated and monitored using the same software your employees are familiar with. Signage, Guest Apps, Guest navigation and Housekeeping is controlled same interface too.



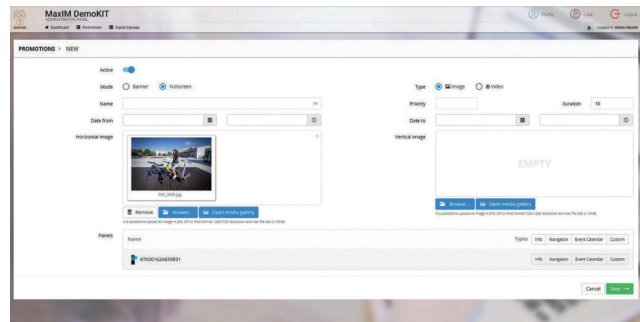
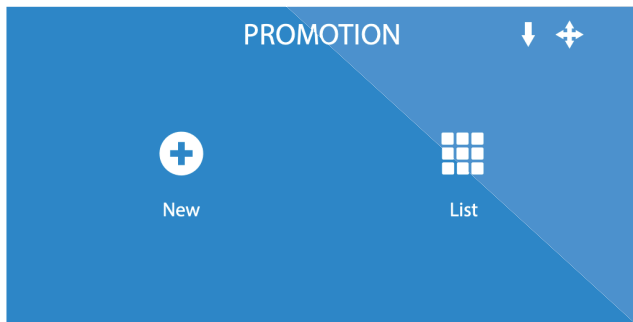
- ✓ Simple channel and TV channel packages management
- ✓ Digital Signage - Promotions and Event Navigation Solution
- ✓ Integration and control of Mobile Application
- ✓ Hospitality features, welcome message, background image, language options etc. in the same platform
- ✓ Housekeeping Management
- ✓ Full remote control of set-top boxes and remote restart features (even in public internet)
- ✓ Set-top box and TV app remote update



- ✓ Electronic Programme Guide database management and seamless EPG content import
- ✓ Integrated with other components of Antik Server Family
- ✓ STB and SmartTV apps Management and user database
- ✓ Viewer statistics (users, channels, time,...)
- ✓ SNMP Communication Support
- ✓ Instant messaging to STBs
- ✓ PMS Integrated: Oracle Opera, Fidelio, Micros, Comanche and more

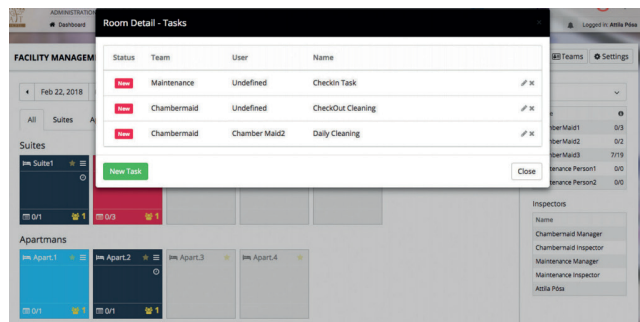


Promotion module / Promotion editor screen



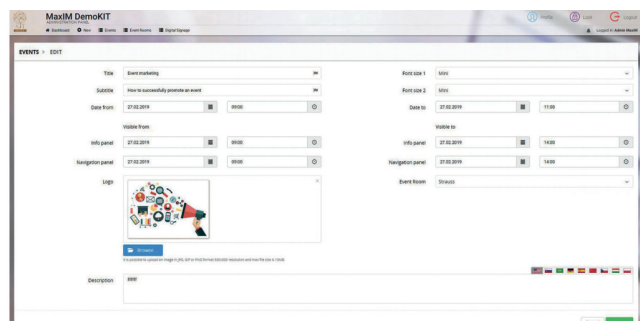
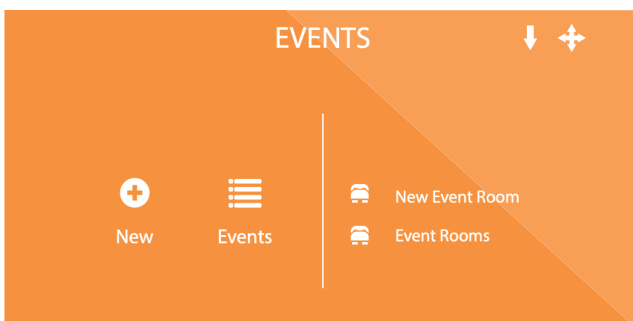
Promotion Module is designed for creating, editing and managing promotions such as event promotions, advertisements, campaigns, special offers, and others. Once created, promotions are then showcased on the digital signage panels, located in public areas in the hotels, companies, etc. It allows to add pictures and videos in most popular formats.

Facility management module / Assigned tasks to the room.



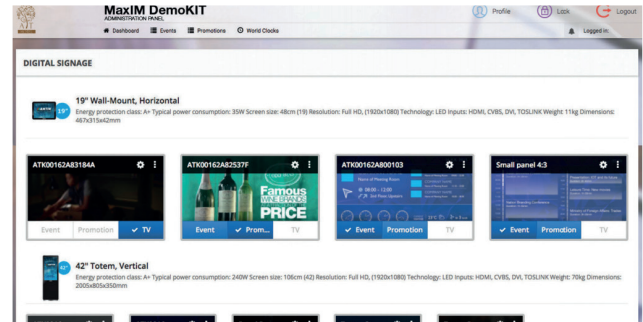
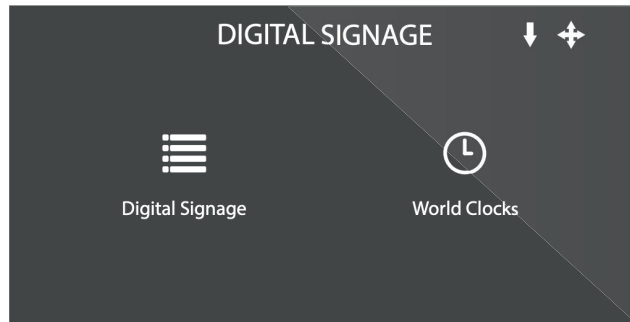
Strong tool to plan, execute and control daily housekeeping routines as well as maintenance tasks across your property. It allows to create automatic templates based on room status instantly imported from PMS (such as new arrival, checkout cleaning, etc.). Several teams can be prepared and supervisor check is implemented, too. Communication for staff is available via TV Set, Mobile App or web interface.

Events module / Event editor screen



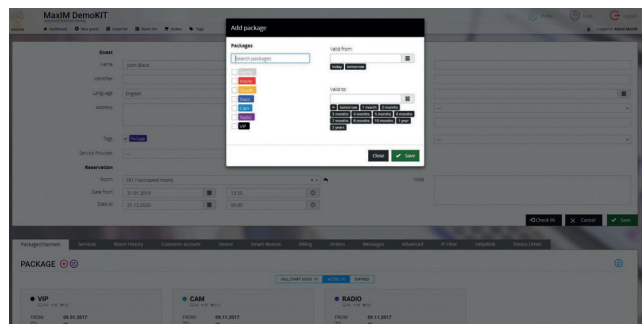
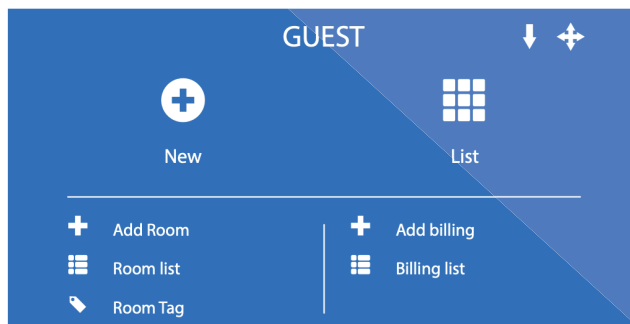
Ideal tool for modern conference premises. Antik Events Management ensures all your customer events are properly display across your building. Specific templates for lobby navigation totems, info screens in relax areas and on entrance doors. All screens can be converted into liveTV displays in one click.

Digital signage module / One click change of screen



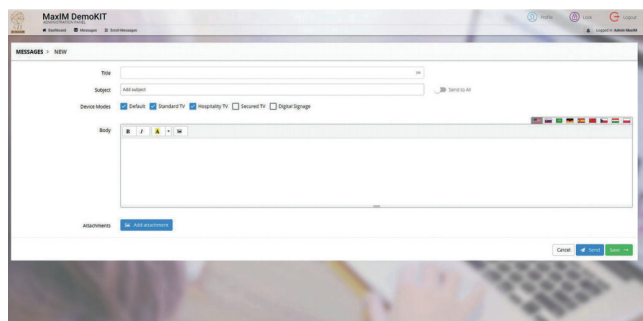
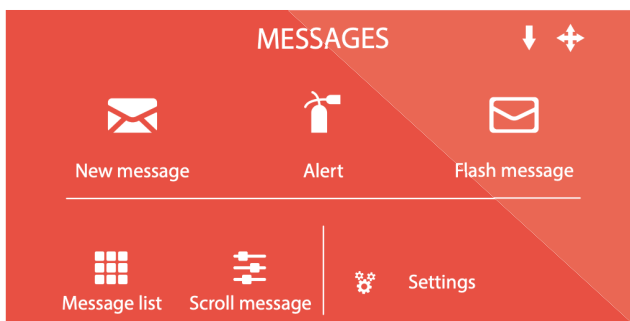
DIGITAL SIGNAGE Module is where you find the tools to manage digital signage devices and its metadata. Built-in tools provide an opportunity to set up mode, screen, screen rotation, background, event calendar, navigation to the event rooms, assign promotions, and view or edit the default world clocks.

User/Guest module / Assigned packages and channels to guest/users.



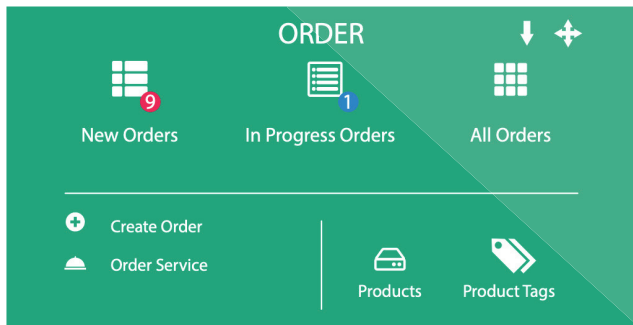
USER/GUEST Module brings an opportunity to manage data about guests/users and product orders, As well as services provided and activated to the guests/users. There is also a possibility to create groups of guests/users according to different constants (e.g. in case of hotel, there can be an apartment, VIP room, non-smoking room, etc.).

Messages module / New message configuration



The MaxIM allows the user to send a message to a specific set-top box or TV app, or to a group of STBoxes. You can send three types of messages - normal (send to the message box in the GUI menu), flash (instant messages for a selected group of set-top boxes), scroll messages.

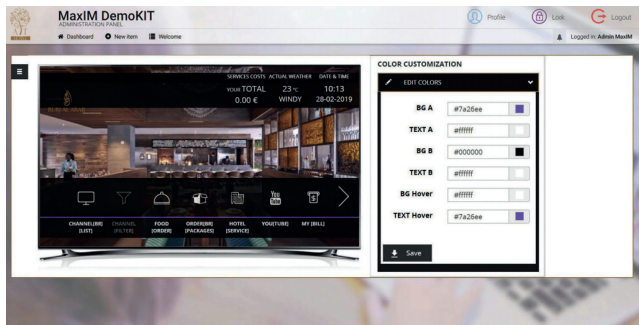
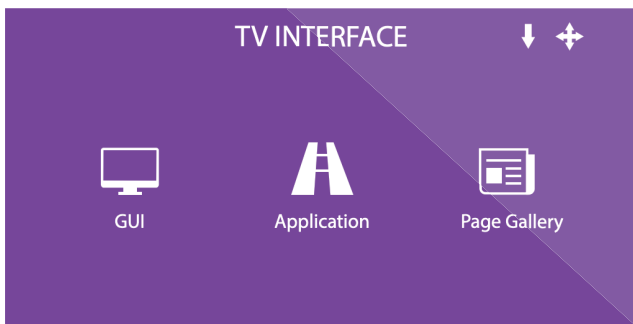
Order module / List of Orders



Order Reference	Time/Quantity	Status	Order ID
1. Clear House	10:00	Unfinished	1000
2. Airport Service	10:00	Unfinished	1000
3. Hotel Room	10:00	Unfinished	1000
4. Airport Service	10:00	Unfinished	1000
5. Airport Service	10:00	Unfinished	1000
6. Airport Service	10:00	Unfinished	1000
7. Airport Service	10:00	Unfinished	1000
8. Airport Service	10:00	Unfinished	1000
9. Airport Service	10:00	Unfinished	1000
10. Airport Service	10:00	Unfinished	1000
11. Airport Service	10:00	Unfinished	1000
12. Airport Service	10:00	Unfinished	1000
13. Airport Service	10:00	Unfinished	1000
14. Airport Service	10:00	Unfinished	1000
15. Airport Service	10:00	Unfinished	1000
16. Airport Service	10:00	Unfinished	1000
17. Airport Service	10:00	Unfinished	1000
18. Airport Service	10:00	Unfinished	1000
19. Airport Service	10:00	Unfinished	1000
20. Airport Service	10:00	Unfinished	1000

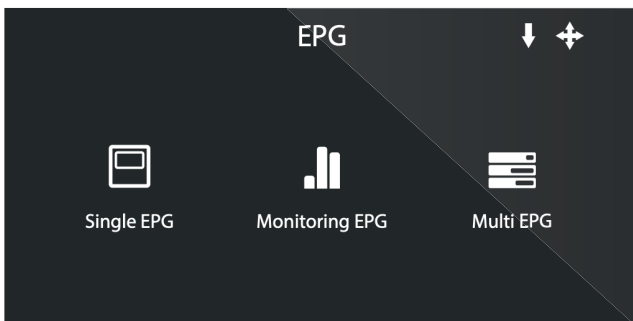
ORDER Module is providing opportunity to guest to order products and services via TV set and it also includes the tools for managing, creating and adding new products or services. The user of the MaxIM administration panel can add both food menu content and services content to make it available for the guests to order through TV screen. Doing so, the MaxIM user should edit the GUI menu, i.e. add already created content.

TV interface module / GUI menu item's tools



TV INTERFACE Module provides full-scale content management system to adapt user interfaces based on your visual identity and insert all necessary TV features and informations - Change colours, icons, adding/removing items in menu, creating pages with text, image and video content, and of course to change and customize the Welcome screen.

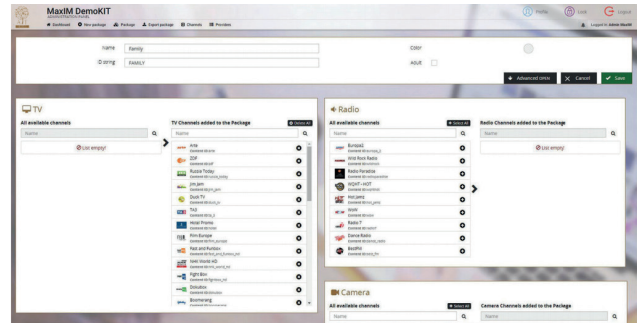
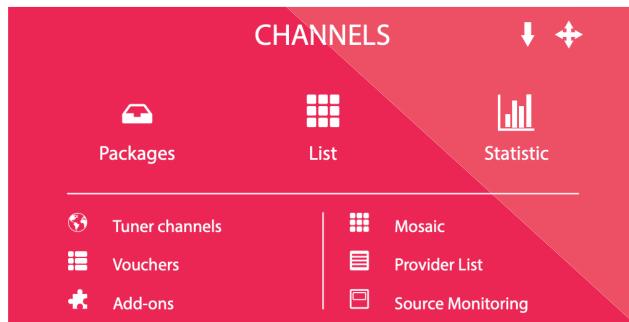
EPG module / Multi EPG preview



Channel	Program	Time	Category
1. Channel 1	Program 1	10:00	News
2. Channel 2	Program 2	10:00	News
3. Channel 3	Program 3	10:00	News
4. Channel 4	Program 4	10:00	News
5. Channel 5	Program 5	10:00	News
6. Channel 6	Program 6	10:00	News
7. Channel 7	Program 7	10:00	News
8. Channel 8	Program 8	10:00	News
9. Channel 9	Program 9	10:00	News
10. Channel 10	Program 10	10:00	News
11. Channel 11	Program 11	10:00	News
12. Channel 12	Program 12	10:00	News
13. Channel 13	Program 13	10:00	News
14. Channel 14	Program 14	10:00	News
15. Channel 15	Program 15	10:00	News
16. Channel 16	Program 16	10:00	News
17. Channel 17	Program 17	10:00	News
18. Channel 18	Program 18	10:00	News
19. Channel 19	Program 19	10:00	News
20. Channel 20	Program 20	10:00	News

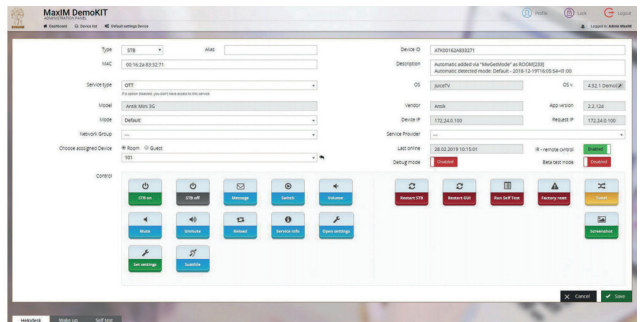
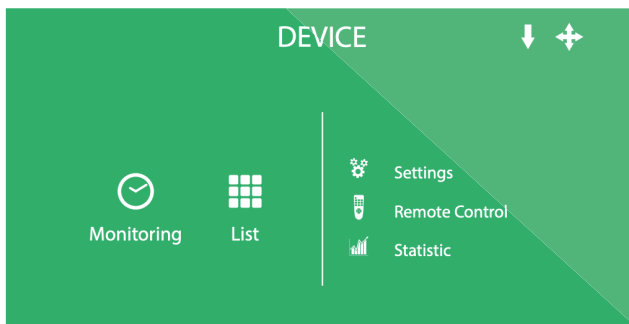
An electronic program guide (EPG) is an application to list current and scheduled programs that are or will be available on each channel on TV screen and a short summary or commentary for each program. EPG Module of the MaxIM brings single EPG (EPG filtered by a specific channel), Multi EPG and monitoring of EPG.

Channels module / Advanced options of channel settings



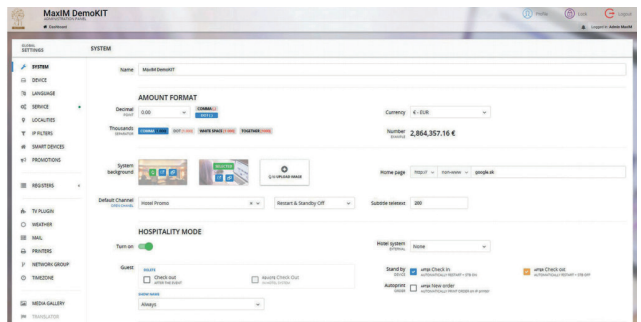
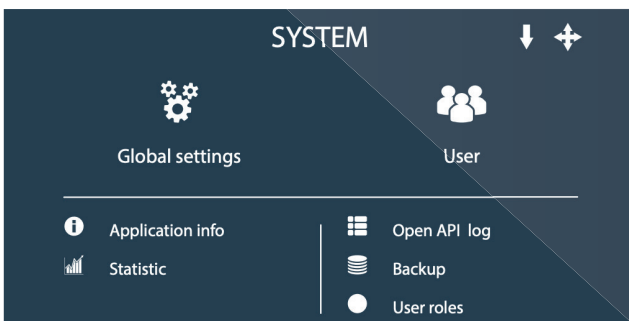
CHANNELS Module involves the administration of TV channels, Radio channels, Cameras and TV packages. The user has the opportunity to sort them to the packages and assign specific packages to specific guest. All changes can be done remotely without visiting the site.

Device module / Device editor screen



Strong tool to control TV in every room remotely, incl. muting audio, remote channel change, remote restart and remote screen capture.

System module / Hospitality mode switch in System Settings



SYSTEM Module is designed for the management of the system settings within the MaxIM administration panel, including global settings, creating and managing user roles incl. access rights, application info, statistic, open API log, backup, and user roles.

ANTIK

Event Navigation System



State-of-Art digital
content delivery system
to improve your **visitor**
experience.

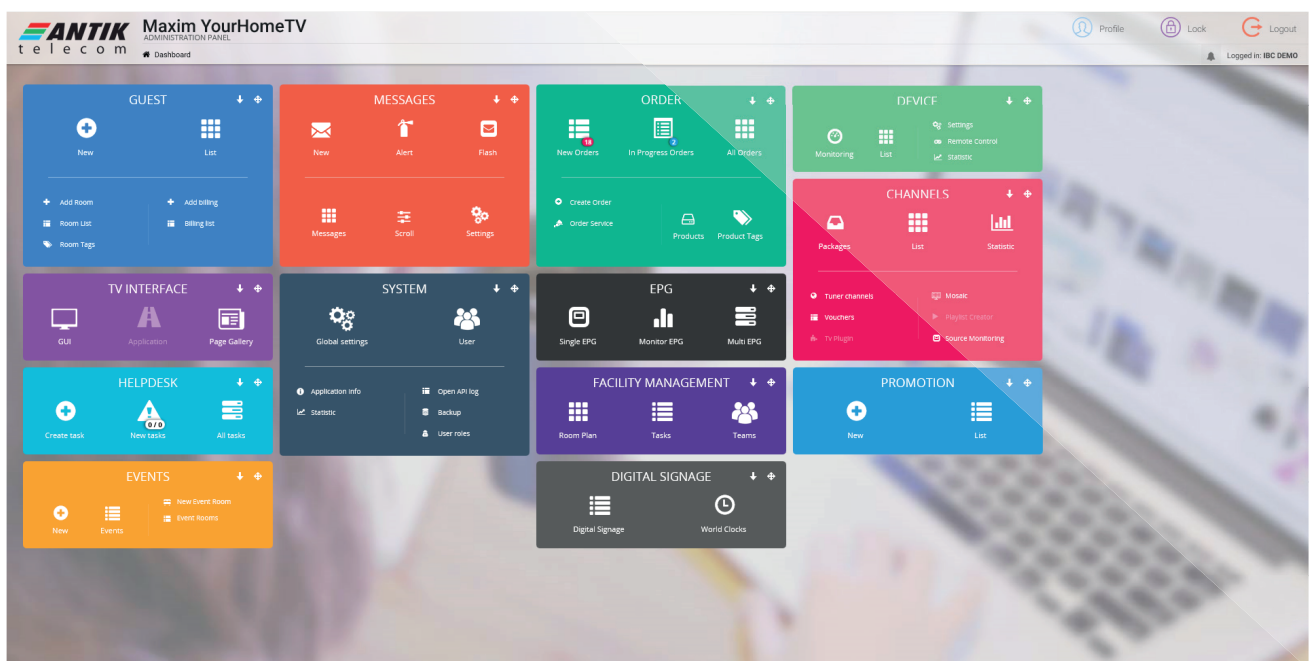
- ✓ Flexible event planning tool
- ✓ Variety of visual templates
- ✓ Easy adaptable to your visual identity
- ✓ Remote control of end-points
- ✓ Mixed digital signage and navigation roles
- ✓ Indoor and outdoor durable HD screens
- ✓ Weather info, world clock and other metadata



vertical
& horizontal
screens available



Content Management System MaxIM



Manage the information displayed on navigation panels. Make sure your guests get right guidance to be on time at the right meeting point. Easy operation enables very fast content update.

Variety

of templates



Room entrance daily schedule



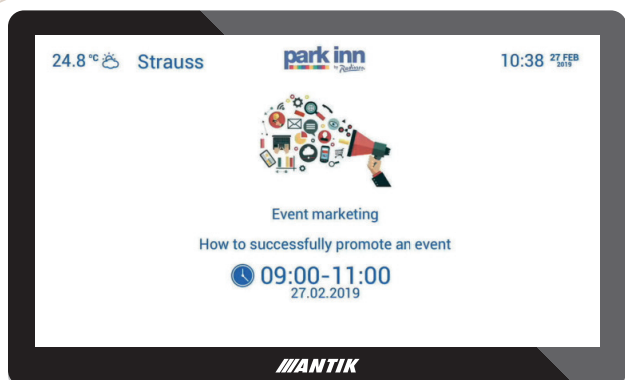
Room entrance with advertising



Navigation totem



Room entrance screen



Vertical navigation
screen



Vertical navigation totem
combined with advertising



ANTIK Digital Signage Solution

Comprehensive Multimedia Advertising Delivery System

Key features

- ✓ Complex advertising delivery system
- ✓ Combination of live TV streams with standard multimedia designing components available
- ✓ Large variety of indoor & outdoor LED TV panels
- ✓ Low power consumption
- ✓ UHD & Full HD resolution
- ✓ Low operational costs

We created low-investment and low operational costs LED panel system controlled by state-of-art ANTIK DS Management System MaxIM. You can either upload ready to publish campaign delivered by your advertising clients or build your own campaign. To design the campaign, all standard multimedia components can be used – pictures, music, video (even in combination with live TV channel broadcasting) all mixed with many eye-catching effects. TV panels itself are controlled by low-power Antik DS settop boxes. In comparison to Intel PC based panels, in each project you save significant investment money, not mentioning dramatically lower power consumption and quiet operation (no fan on set-top box necessary).

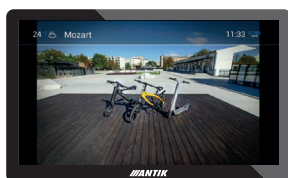
NEW Totem 55" NEW! vertical outdoor with Double Car Charger

- ✓ Power: 7 kW / 11 kW / 22 kW
- ✓ Screen size: 55"
- ✓ **Connectivity:**
 - LTE modul
 - GPS modul
 - LAN
 - 4G / Ethernet

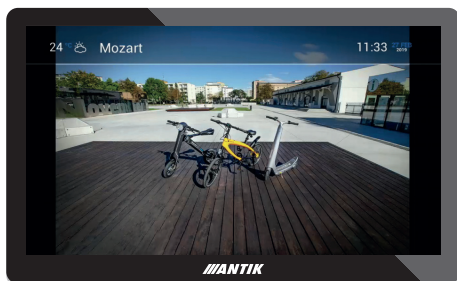




Wall-mount 10"/19" horizontal panel indoor



Wall-mount 42" horizontal panel indoor

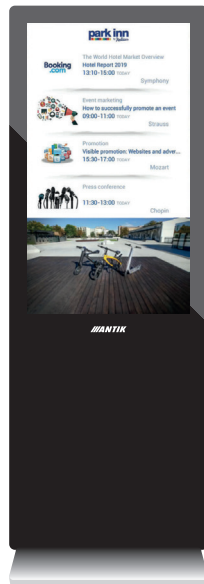


- ✓ Typical power consumption: 240 W
- ✓ Screen size: 106 cm (42")
- ✓ Inputs: HDMI, CVBS, DVI, TOSLINK
- ✓ Weight: 38 kg Dimensions: 1075 x 335 x 150 mm
- ✓ Use Cases: Retail shops Advertising, Hote Lobby Navigation



Leaflet holder 26"and vertical panel indoor

- ✓ Typical power consumption: 65 W
- ✓ Screen size: 66 cm (26")
- ✓ Inputs: HDMI, CVBS, DVI, TOSLINK
- ✓ Weight: 50 kg
- ✓ Dimensions: 1850 x 750 x 610 mm
- ✓ Use Cases: Retail Shops, Exhibition Stands



Vertical navigation totem combined with advertising

- ✓ Totem 55" dual-screen outdoor
- ✓ Typical power consumption: 600 W
- ✓ Screen size: 139 cm (55")
- ✓ Inputs: HDMI, DVI, VGA, USB
- ✓ Weight: 220 kg
- ✓ Dimensions: 880 x 300 x 1950 mm
- ✓ Use Cases: Offi ce/Public Building Entrances, Public Places Advertising

ANTIK

HOUSEKEEPING AND FACILITY MANAGEMENT

ORACLE

Validated Integration

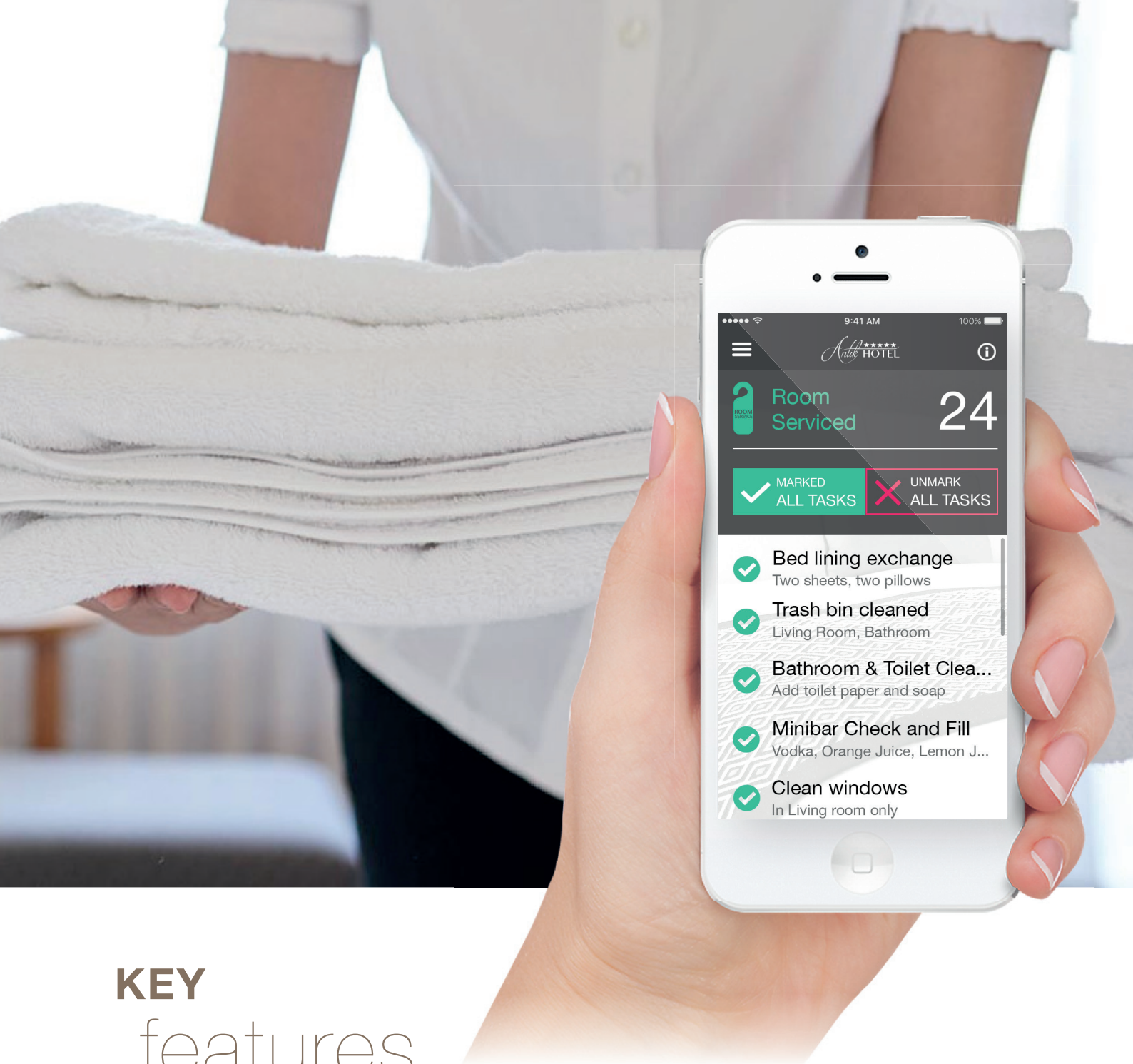
Oracle Hospitality



Smart cleaning and maintenance under control-anywhere

Antik Housekeeping and Facility Management helps to bring your guest satisfaction to another level. Fully integrated to your PMS, system check data about room occupancy and based on your own predefined templates creates every day cleaning tasks – automatically! It allows you to copy typical chambermaids room allocation from any day from the past to simplify your morning routines. Due to the system flexibility you can add manual tasks anytime. On the simple dashboard you can follow, what is the cleaning and inspection status of the rooms.

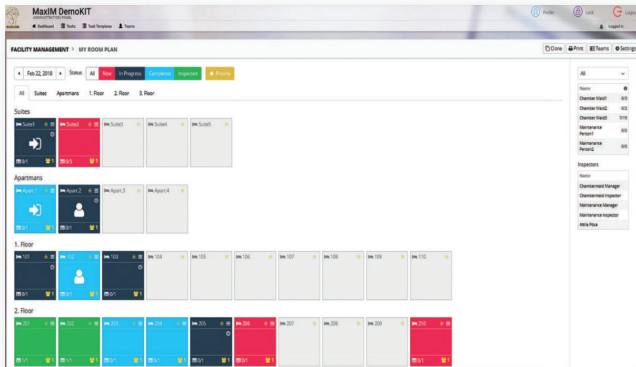
System automatically reports to PMS when the room is done, so next guest can be checked-in quickly – without unnecessary waiting in the lobby. Your inspectors and managers can overlook the situation from any place as the interface is easily readable using tablet or phone – no need to return back to the office. Based on your selection, housekeepers can confirm their tasks either on guest room TV sets or via smartphone application. SOS button for chambermaids to bring attention in unusual situations.



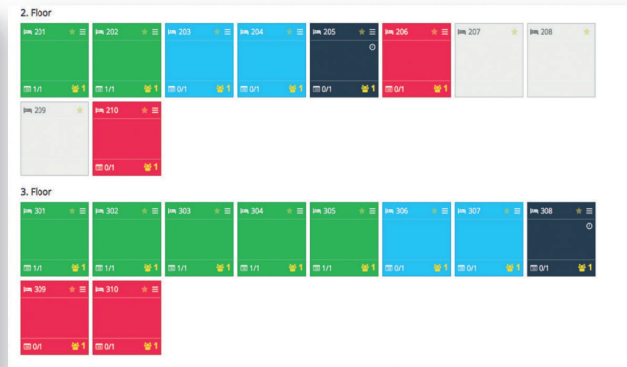
KEY features

- ✓ Automated housekeeping tasks planning tool
- ✓ Personnel task allocation cloning to simplify daily routines
- ✓ Daily tasks status under control in supervisor dashboard
- ✓ Repeating cleaning tasks templates definition tool
- ✓ Fully integrated to major PMS
- ✓ Room maintenance tasks queues
- ✓ PC, Tablet, SmartPhone and TV apps for managers, inspectors, maintenance and housekeepers
- ✓ Minibar consumption reporting

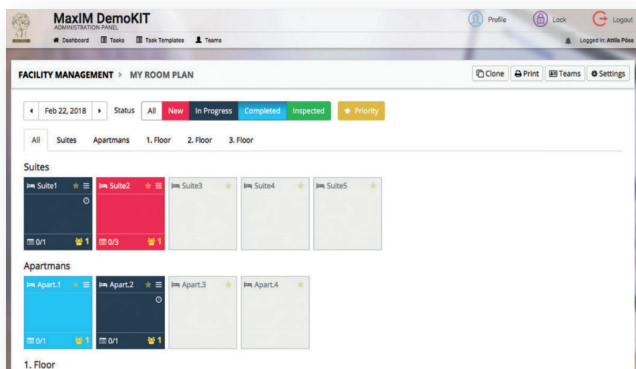
Housekeepers and facility management



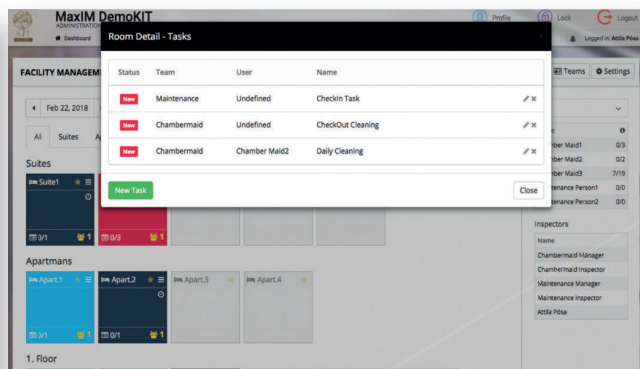
Roomlist



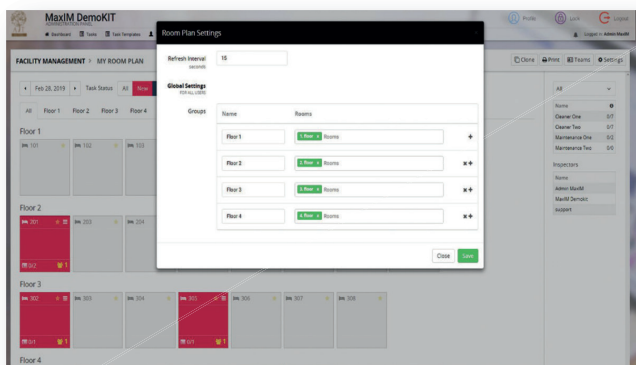
My room plan



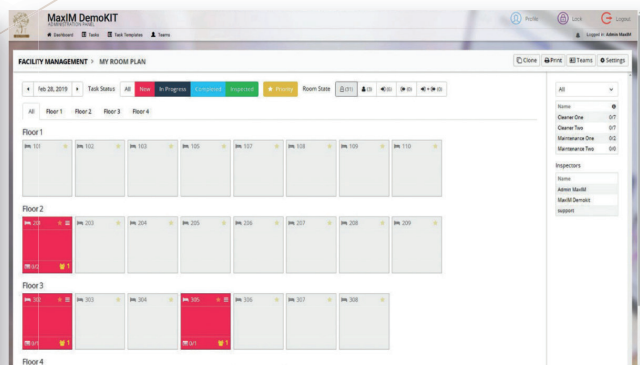
My room plan 2



Room detail



Room plan settings

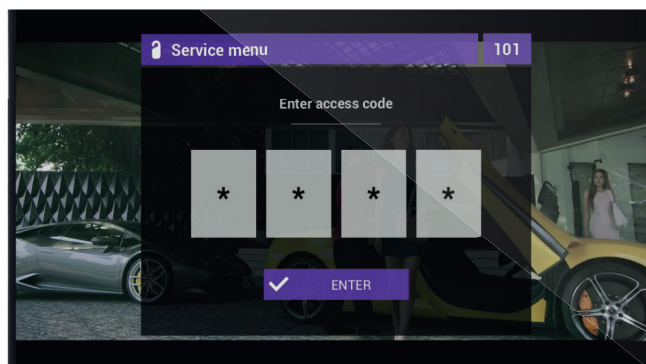


Separate task queues
for chambermaids and maintenance
teams

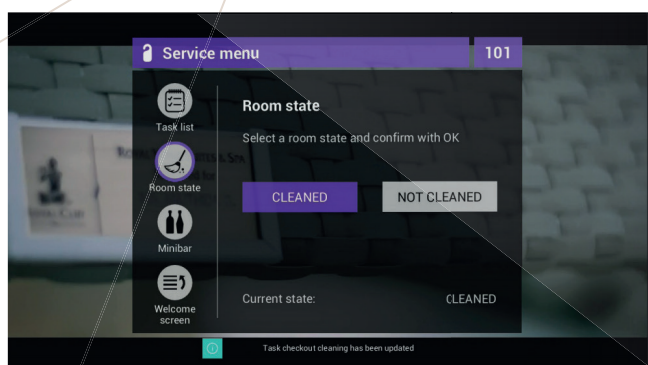
Housekeepers Service menu on guest room TV



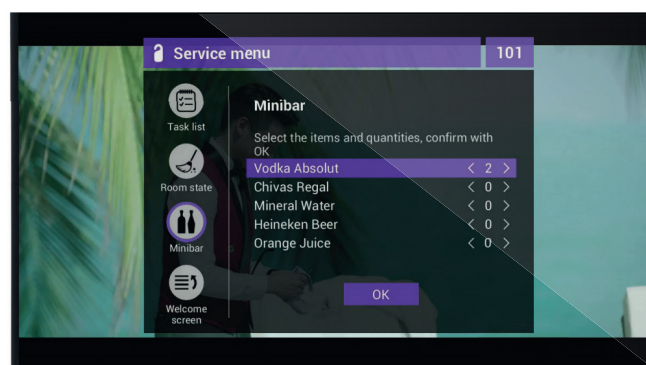
Task list



Enter an access code

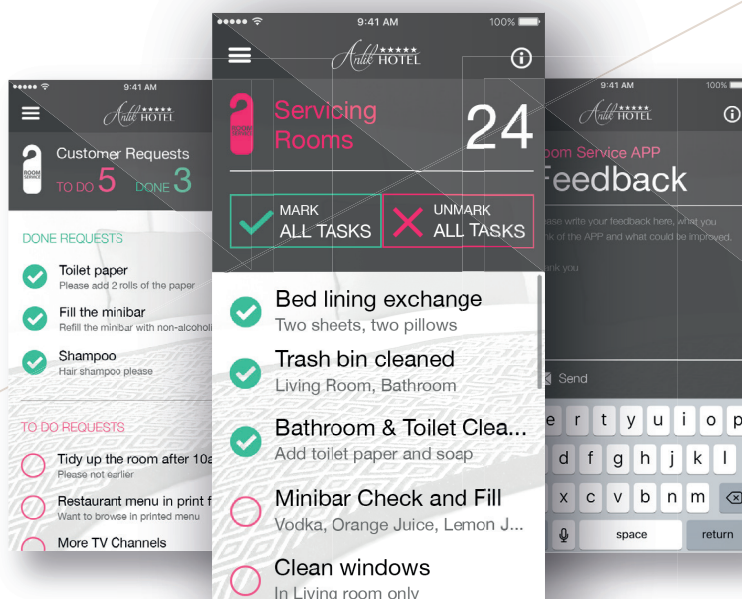


Room state



Mini bar

Housekeepers and maintenance engineer App



GRMS

Guest Room Management System



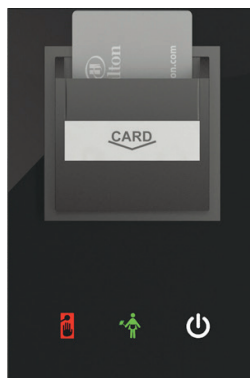
✓
Make
your customer's hotel
experience more
comfortable!

Central unit

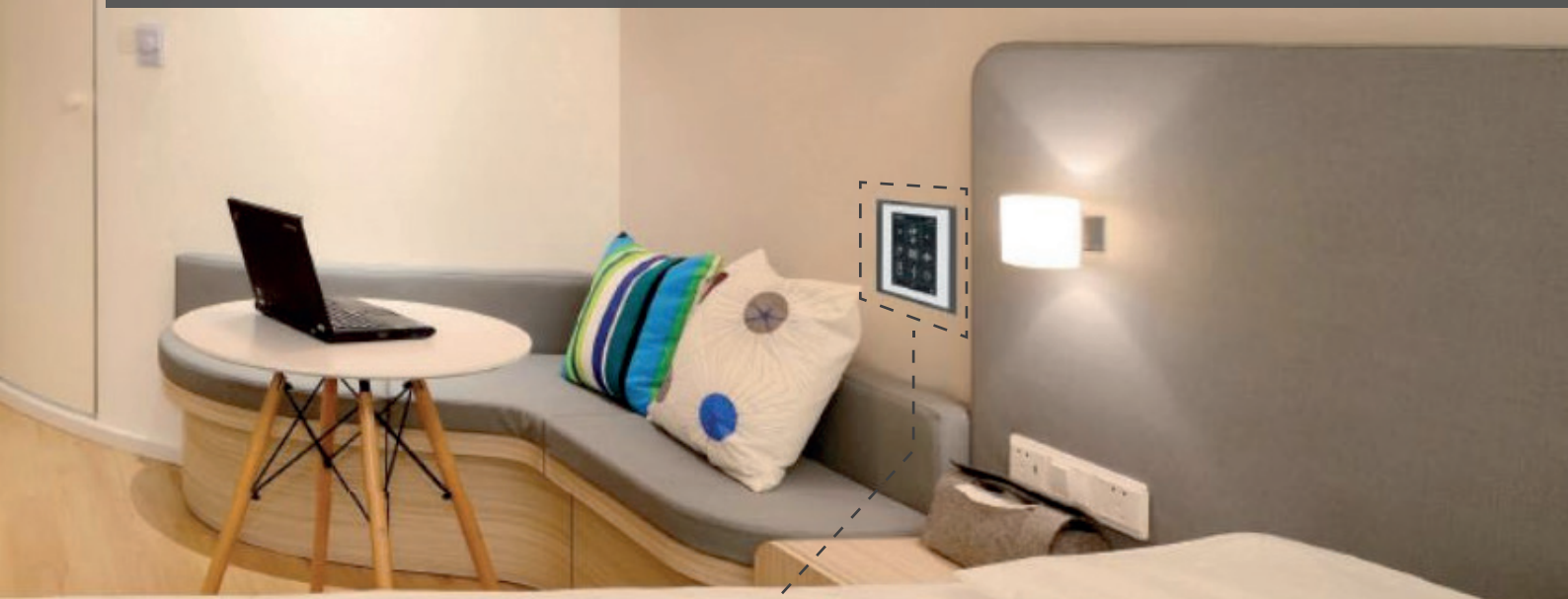
- ✓ Display type: color OLED
- ✓ Resolution: 128x128/1:1 aspect ratio
- ✓ Visible area: 26 x 26 mm
- ✓ Maximum number of units: max. 32 units to one BUS line
- ✓ Communication speed: 100 Mbps
- ✓ Supply voltage/tolerance: 27 V DC, -20/ +10%
- ✓ Dimensions: 90 x 105 x 65 mm

Glass card holder

- ✓ Switching voltage: 230 V AC or 30 V DC.
- ✓ Operating temperature: -20 .. +55 °C.
- ✓ GCH3-31 supports RFID media with a carrier frequency of 13.56 MHz. Supported card types are MIFARE Ultralight, DESFire 2K, Plus S 4K.
- ✓ The GCH3-31 unit is equipped with an 8A relay output and an AgSnO2 contact.
- ✓ GCH3-31 are designed for mounting into an installation box.
- ✓ Dimensions: 142 x 94 x 36 mm.



With Antik GRMS you are able to bring guests comfort to another level. Lighting, temperature or curtains are controlled by guest with touch panel situated in the room or centrally by the hotel. Thanks to seamless integration to TV system same features can be controlled via TV remote control. System provides the key to efficiently and centrally manage guestroom energy consumption, gives more comfort, higher security to the room and easy maintenance system.



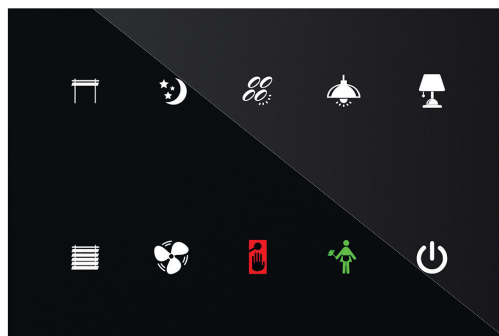
Touch Screen With Display •

- ✓ Supply voltage/tolerance: 27 V DC, -20 / +10 %
- ✓ Aspect ratio: 3:4
- ✓ Visible area: 52,5 x 70 mm
- ✓ Backlight: active
- ✓ Touchpad: 4-wire resistive
- ✓ Display: 3,5"
- ✓ Dimensions: 94 x 94 x 36 mm

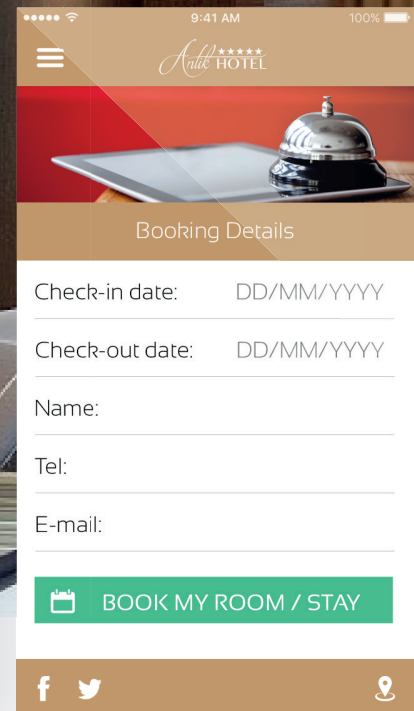
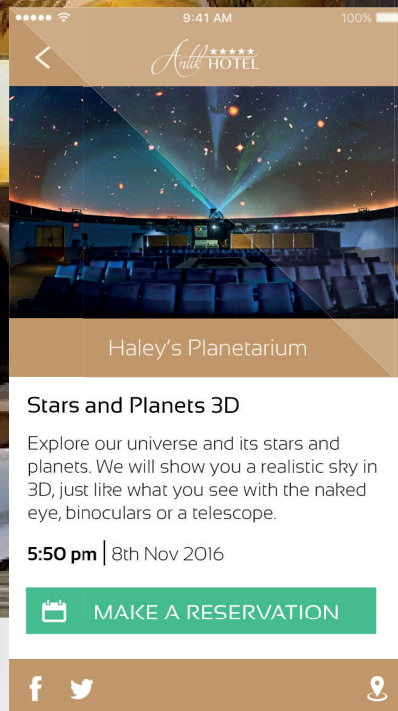
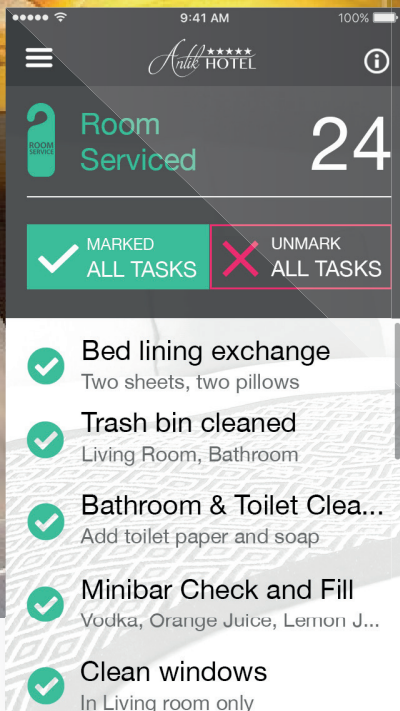


Glass Switch Panel

- ✓ Number of control buttons: 10
- ✓ Temperature measuring: YES, built-in temperature sensor
- ✓ Resolution: by setting 10-bit
- ✓ Installation BUS: BUS
- ✓ Supply voltage/tolerance: 27 V DC, -20 / +10 %
- ✓ Dimensions: 142 x 94 x 36 mm



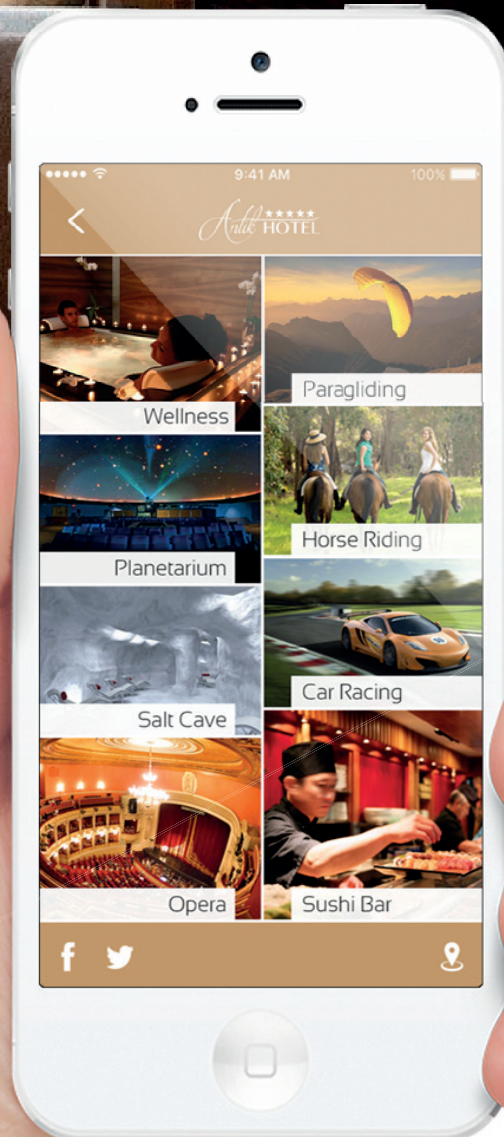
ANTI-K GUEST APP



- ✓ Mass messages
- ✓ Orders
- ✓ Reception services
- ✓ Live chat
- ✓ Feedback
- ✓ Social networks
- ✓ After stay promotion
- ✓ Language selection
- ✓ Staff efficiency

MANAGE YOUR ROOM ANYWHERE!

Maximize guests' spending
Gather guests' feedback
Address your guests in real time
Build long-term relationship



ANTIK

PASSENGER AND INFOTAINMENT SYSTEM



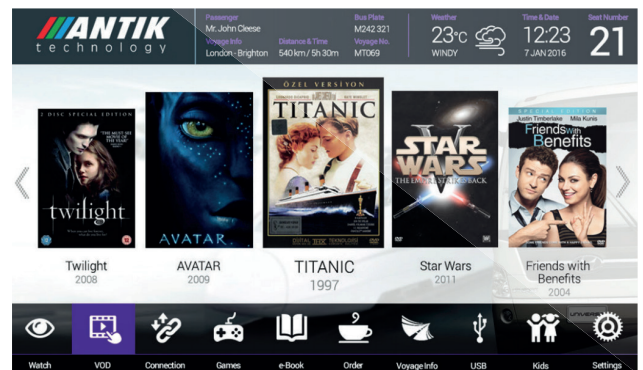
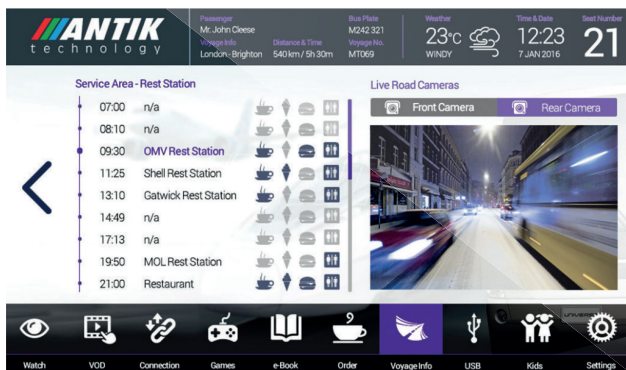
KEY FEATURES

- ✓ Make your traveling enjoyable with Antik Live TV
- ✓ Order food to prepare yourself for long ride
- ✓ Read some E-books and relax
- ✓ Watch movies with our VOD system
- ✓ Find all the next stops in Voyage Info

Grant your customers

AN ENJOYABLE JOURNEY WITH ANTIK INFOTAINMENT SYSTEM

Let us introduce our new interactive IPTV solution – ANTIK Infotainment system for public transport. Explore new dimensions of active travelling with relaxation, fun and socializing all in extraordinary comfort.



ANTI-K BYOD

Bring Your Own Device

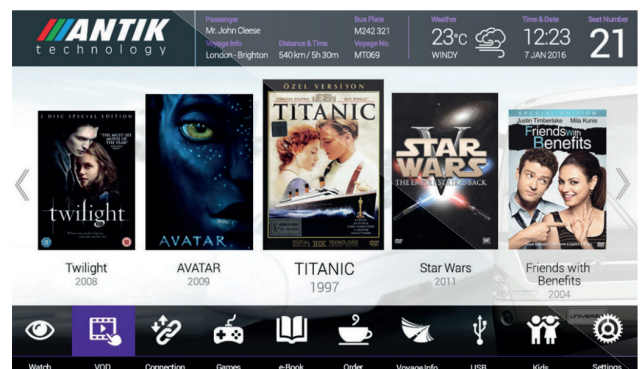
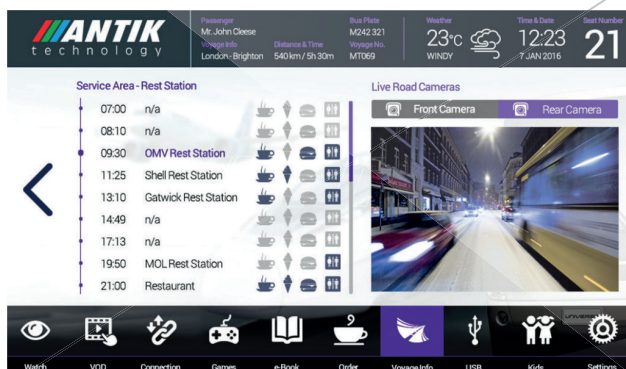
- ✓ On demand Video and Music
- **VOD, MOD**
- ✓ E-books, Social networks and Games
- ✓ Up-to-date Voyage information
- ✓ **Low running costs**
- ✓ State-of-art features
- ✓ Easy and fast updating of content
- ✓ Easily accessible
- ✓ Food Order



Transform your vehicles into entertainment friendly ones **while minimizing installation costs.** Use devices of your passengers **to entertain them and provide information about the journey** directly on their smartphones or tablets.



USE DEVICES OF YOUR PASSENGERS TO ENTERTAIN THEM



ANTIK TV

HEADEND COMPONENTS

Antik GX 5000 Digital

Contents Processing Platform

Antik Digital Contents Processing Platform GX 5000 brings a compact, powerful and flexible solutions that allow the users to build or update DTV or IPTV headend to meet the requirements of today's new network architectures. GX 5000 is a compact 1U platform capable of processing a high number of streams. By inserting up to 6 optional functional modules and pluggable MUX/Scrambler extended modules, GX 5000 integrates all DTV headend functions, such as DVB signal reception, descrambling, encoding, transcoding, remultiplexing, scrambling and modulation into one single unit.



Key features

- ✓ Maximum data throughput 49Gb/s
- ✓ 16 TS processors on the main board, 10Mb/s bandwidth for each TS processor
- ✓ 2SFP BbE IP ports with maximum 920Mbps input and output data rate
- ✓ Up to 256 MPTS/SPTS TS/IP input and 512 MPTS/SPTS output without IP-FEC
- ✓ Up to 24 MPTS/SPTS TS/IP input and 24 MPTS/SPTS output with IP-FEC
- ✓ PSI/SI edition and re-generation, PID re-mapping and filtering
- ✓ Control and monitoring by Front Panel, Menu, Web and SNMP
- ✓ Total 6 slots for different digital TV functional modules: modulator, demodulator, encoder, trans-coder, decoder, interface adapter, etc.
- ✓ Removable cooling fan assembly with alarm & speed control
- ✓ Dual hot-swappable power supplies units
- ✓ 1RU rack with display screen, 6 buttons, RS-232, USB
- ✓ Removable cooling fan assembly with alarm & speed control
- ✓ Dual hot-swappable power supplies units
- ✓ 1RU rack with display screen, 6 buttons, RS-232, USB

Antik TR 6265 Transcoder

HiDensity IP-to-IP HEVC FullHD transcoder

New ANTIK Hi-Density HW Transcoder is great for telco-grade IP-to-IP FullHD H.265 transcoding for all operators and OTT providers scenarios



Key features

- ✓ Up to 24 channels/1U unit
- ✓ SoC HW transcoding system with very low power consumption

Video Encoding Specification

- ✓ H.265 MP@level 5 main tier and H.264BP/MP/HP@level 4.2 video encoding
- ✓ maximum 12 x 1080p @ 30 fps or 24 x 720p @ 30 fps encoding
- ✓ VBR or CBR mode
- ✓ Low-delay encoding
- ✓ Encoding of multiple ROIs

Video Decoding Specification

- ✓ H.265/HEVC (Main/Main 10 profile @ level 5.1)
- ✓ H.264/AVC (BP/MP/HP @ level 5.1)

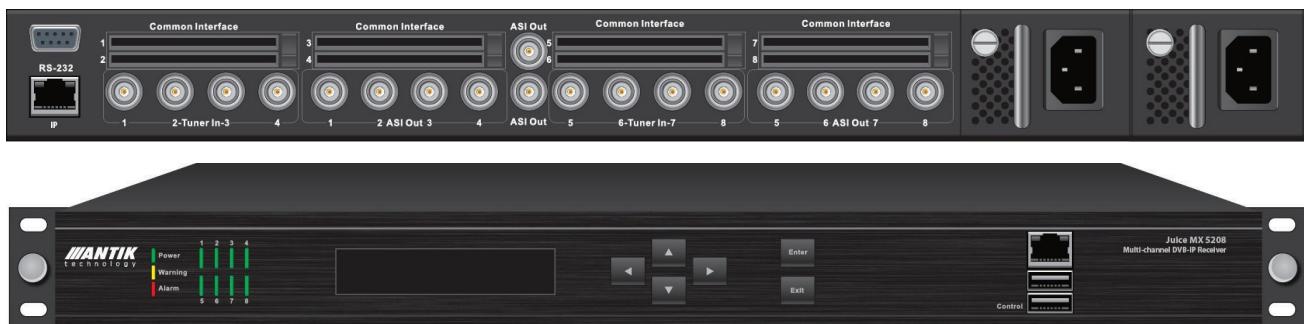
ANTIK TV

RECEIVERS & ENCODERS

Antik MX 5308 Receiver

8 x Tuner T/T2/C/S2/ISDB-T IRD

The MX-5308 is a high-density, modular and CI decryption professional TS processor equipped with 8 independent tuners, which can be any of the DVB-T/ T2, DVB-S2/S, DVB-C, DTMB, ISDB-T or ATSC type. It supports a wide range of application by combining 8 tuners processing capability with industry standard outputs including ASI and TS/ IP. The MX-5308 has 8 DVB common interface slots capable of working with the most of the well-known CAS in the market to de-crypt multiple pay TV services. The MX-5308 provides operators with an ideal solution for multi receiving, remultiplexing, descrambling and TS over IP operations, the compact 8 tuners and the powerful 8 CI decryption design which makes it one of the most competitive products in the head-end market.



Key features

- ✓ 8 x Tuners Input, Supports variety of input options DVB-T2/T/ S2/S/C/DTMB/ATSC/ISDB-T
- ✓ Supports DVB-S2 Input Stream Identifier (ISI, optional) and DVB-T2 Multi PLP and SFN MIP pass through
- ✓ Built-in TS re-multiplexer receives from ASI, CI Slot1 to CI Slot8 and TS/IP inputs
- ✓ 8x DVB-CI Slots, multi-program decryption, BISS-1 and BISS-E decryption
- ✓ 8x ASI output the transport stream from CI Slot1 to CI Slot8 or

BISS decryption

- ✓ 1x channel full duplex TS over IP or 9x channels IP out without IP input
- ✓ Remote Control and Supervision by SNMP v2, HTTP WEB and Proprietary HDMS software
- ✓ On Site software update through IP or USB
- ✓ RSSI, received signal strength, Eb/N0, C/N and BER monitoring
- ✓ Redundant power supply

Antik EN 8000 Encoder

8-way Integrated HDMI/CVBS Encoder

ANTIK EN 8000 consists of two 4-way (total 8) H.264 / MPEG-2 encoder modules, TS reMultiplexer. All encoders are real time and independent operated. Each encoder accepts one stereo program through its HDMI (HD or SD) input, or CVBS(SD) Input. These programs encoded are multiplexed onto one Transport Stream (TS). The essential PSI/SI tables of the TS, including LCN (Logical Channel Number), are generated automatically and are editable by user. This TS Stream is also available through the TS/IP port on the front panel with 3 modes: Full Duplex, 128 IPTV & 32 IPTV with 2 RJ-45 ports.



Key features

- ✓ Compliant with H.264/AVC HP@L4.0 & MPEG-2 MP@ML
- ✓ Supports MPTS & SPTS, Re-multiplexed integrated
- ✓ Total bitrate up to 400Mb/s at 128 IPTV Mode
- ✓ Total bitrate up to 200Mb/s at 32 IPTV Mode with both RJ-45 port
- ✓ Total bitrate up to 80Mb/s at Full Duplex Mode
- ✓ HD/SD Video Resolution: 1080i, 720p, 576i, 480i
- ✓ MPEG1-L2, MPEG-2/4 AAC-LC/HE-AAC Audio Encode
- ✓ Remote control/monitoring with SNMP and HTTP/Web interface
- ✓ Two Redundant Power Supplies

ANTIK

4K/UHD Set-Top Boxes

4K
ULTRA HD

Antik Nano 3 GIGA

Hybrid IP+DVB Set-top Box

This ultra cost-effective IPTV box combines a compact design with high performance and low power consumption.

Key features

- ✓ 4K HDR or dual Full HD decoding
- ✓ CPU HiSilicon Hi3798MV200
- ✓ GPU Mali-450
- ✓ Wi-Fi 802.11 bgn Access Point (optional)
- ✓ Modem
- ✓ Bluetooth 4.2
- ✓ Z-Wave/ Lorawan GW
- ✓ 1.71" OLED Display



Back panel interface



Nano 3 OTT



Nano 3 S (DVB-S2+IP)



Nano 3 C (DVB-C2+IP)



Nano 3 T (DVB-T2+IP)



Nano 3 - 4 PORT



Nano 3 - 4 PORT (side panel)



Side Panel Interface



Nano 3 C/T (DVB-C2/T2+IP)



Nano 3S - side panel

Video

H.265/HEVC (10-bit)
H.264/AVC
VP9 (10-bit), VP6/VP8
MPEG-1/2/4
VC-1/WMV9
Real 8/9/10

Audio

AAC (HE-AAC v2 Profile) - optional
Dolby Digital AC-3) - optional
MPEG-1/2 (layer I/II)
MP3
FLAC, Vorbis

Streaming

MPEG-2 transport stream
Multicast or Unicast
TS over UDP
TS over RTP
HTTP streaming
RTSP (with trick play support) for VoD
Teletext and subtitles
IGMP v2 & v3
HLS

Inputs/Outputs

HDMI 2.0a
AV output (CVBS, L+R audio)
TOSLINK (S/PDIF optical audio interface)
1 x RJ45 (Ethernet 100 BaseTx)/4
x RJ45 (1000 BaseT)
1 x USB 3.0 + 1 x USB 2.0
external IR sensor
antenna RF input
(only on selected models)

Accessories (optional)

IR2 Extender cable
AV Cable adaptor
RCA/SCART cable
Ethernet Cable
Full size/Compact Keyboard
Bluetooth Remote control
WiFi Adaptor

Technical Spec.

Dimensions 115 mm x 115 mm x 32 mm
(without packaging)
Power consumption 6W
Power Input 12V/1A DC
Power Adaptor 90-250V/50-60 Hz AC
Operating Temperatures 0°C to 45°C
Operating Humidity 8%-95%
(non-condensing)

CAS/DRM

AntikCrypt, Conax, Widevine

Software Integration

Operating system Linux 4.4
Copy Protection HDCP 2.2
Ekiah SVG integrated
Android 9 (optional)

Applications

Telco IPTV, Hotel IPTV
OTT IPTV
DTH
Digital Signage

Hardware

CPU: HiSilicon Hi3798MV200 (4 x ARM cortex-A53)
GPU: ARM Mali-450
DRAM: 1GB DDR4/ 2 GB (Android)
Flash: 8GB eMMC
Wi-Fi: 802.11 b/g/n + Bluetooth 4.2
868 MHz SmartHome gateway (optional)
DVB-S/S2/T/T2/C tuner (optional)
CAS Card reader slot (optional)
Modem

HOSPITALITY PACKAGES



HOTEL

Hospitality Platform	IPTV Management system in Hospitality mode
MaxIM modules	Device, Guests (room list), Channel, TV Interface, EPG, Messages
Set-top boxes	Nano3 (1 port), Nano3 (4 port), Nano3 (DVB -C), Nano3 (DVB -S), Nano3 (DVB -T) / FW customization Samsung Tizen APP / FW customization

PACKAGES OPTIONAL

VOD solution package	SW: Management, Encoder, Storage
Facility Management solution	MaxIM modules: Facility Management APP: Hotel services app
Event Navigation Management Solution	MaxIM modules: Events, Digital Signage HW: Digital Signage Panels / TV
Digital Signage Management Solution (DSS)	MaxIM modules: Promotion, Digital Signage
Food Ordering	MaxIM modules: Order
PMS Integration with ANTIK Hospitality Suite 2.0	Integrated PMS: Fidelio, Opera, Comanche, Hores, Horec, Hoteltime

Streaming / Headend (IPTV)

- ✓ DRM Solution (Scrambling solution)
Key Server License for Streaming servers, AntikCrypt, Widevine, Conax
- ✓ Multiviewer Monitoring Room (Monitoring software license)
- ✓ Stream Keeper (Monitoring software license)
- ✓ Stream Analyser (Monitoring software license)
- ✓ Streamer (Antik OTT Live Streaming)
- ✓ Snapshotter for LiveTV
- ✓ Statistics Server
- ✓ Cache server
- ✓ Network Time Shift

i HW: Encoder, transcoder et.c based on technology - Multicast, OTT, DVB - S/C/T etc.



RESIDENTIAL

Hospitality Platform	Telco MaxIM (IPTV Management Solution for Telco and OTT operators)
MaxIM modules	Device, Customer, Channel, TV Interface, EPG, Messages, Voucher system
Set-top boxes	Nano3 (1 port), Nano3 (4 port), Nano3 (DVB -C), Nano3 (DVB -S), Nano3 (DVB -T) / FW customization

PACKAGES OPTIONAL

VOD solution package	SW: Management, Encoder, Storage
TV Archive Solution	SW: Snapshot server
Antik TV Mobile Apps (Android, iOS)	Customization, License per client
STB App (Android, Apple TV)	Customization, License per client
Samsung Tizen APP	
Smart Home	SW: SmartHome mobile APPS (Android, iOS), HW: Cameras, Smarthome devices
Customer zone – WEB base	Start: Device, Helpdesk, Basic: Device, Channels, Packages, Vouchers, Helpdesk
Helpdesk	MaxIM modules: Helpdesk
TV plugin	MaxIM modules: TV plugin WEB interface for end-user

IPTV

DEMOKIT 6.0

4K
ULTRA HD

IPTV Solutions all-in one

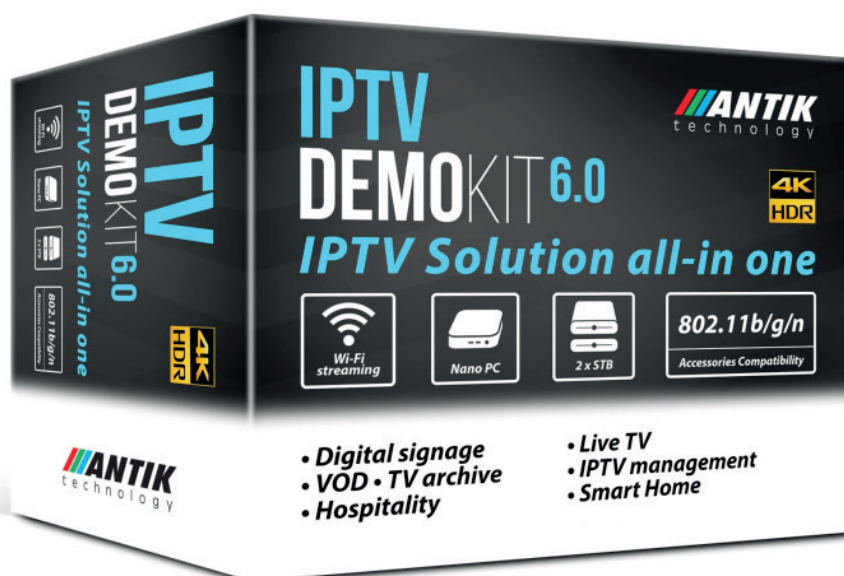
Antik IPTV Demokit offers you the possibility to check all the important features of Antik products. It serves as proof-of-concept of your next IPTV project and gives you chance to become familiar with major SW and HW components.

Demokit you can easily run in your network or lab. Preinstalled OS Nano PC with all necessary SW servers such as IPTV Management Server, EPG, Streaming Server, Hospitality Suite, etc. are all part of delivery. 2 4K set-top boxes enabled to use on public internet as well as in multicast network are included. Pre-recorded content includes SD and HD streams, radios, TV archive. Technical support covers (incl. in price) all necessary help with IPTV demokit setup.



Most of Antik in one valuable pack

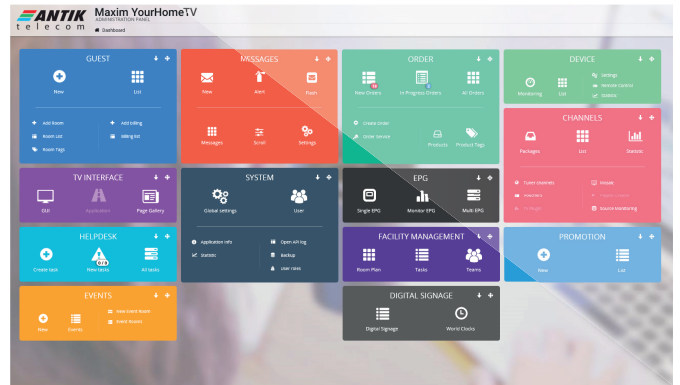
- ✓ UHD, HD & SD streams
- ✓ Catch up TV/TV Archive
- ✓ Timeshift
- ✓ MediaPlayer
- ✓ VOD
- ✓ Hospitality IPTV
- ✓ Event navigation
- ✓ Housekeeping Management
- ✓ TV Plugins
- ✓ EPG
- ✓ Digital Signage
- ✓ IPTV Management MaxIM
- ✓ SmartHome included





State-of-art User Interface

Easy operation for your SmartTV applications. Browsing web pages will be fast with embedded trackball. Browse the internet without turning the TV off.



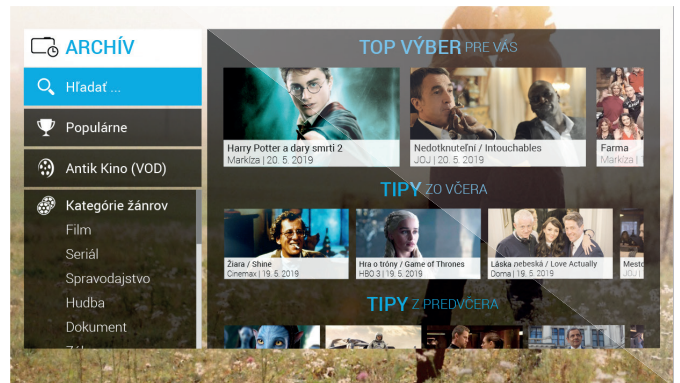
MaxIM Management System

Single Web Interface for all systems setup and control from devices, channels, CMS to signage and housekeeping.



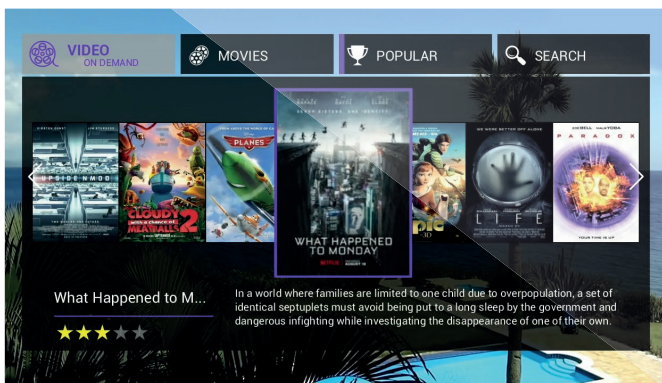
Hospitality TV

Easy-to-learn and customizable access to all Hotel services as 4K TV, Food order, Youtube and much more.



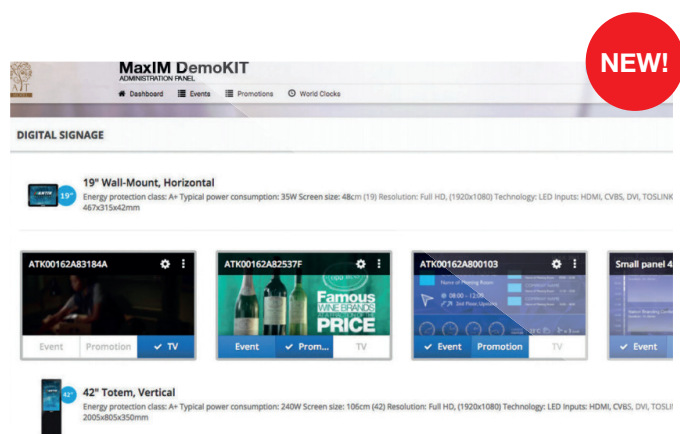
Archive by genre

Enables control of archive program feature which allows users to pause, rewind and forward. All are categorized by genres and series



VOD

Choose a movie from the database or search some new in your favorite category. Watch trailers, movie description or rank the movie.



NEW! Hospitality Modules

Digital Signage - Event Navigation - Housekeeping. All inclusive system to remote control of digital advertising, dynamic navigation through premises and facility management.

IPTV

DEMOKIT 6.0 ORDER

SUPPLIER

ANTIK TECHNOLOGY (CY) LTD.

Account number:

357-029048-326

IBAN:

CY06 0020 0195 0000 3570 2904 8326

Beneficiary Bank Name:

Bank of Cyprus Beneficiary Bank Address: Larnaca, Cyprus

SWIFT Address:

BCYPCY2N (Bank of Cyprus)

Paypal:

kolla@antik.sk

Purchase order for demo kit

Items	Qty	Optional	Qty
NANO server with end-to-end demo	1	LCD Display 13.3"	1
Licensed SW	1	IP Camera SCI-10	1
Amtik Mini 3	1	Total pcs	18 pcs
Antik Nano 3	1	Total weight	6,5 kg
Wireless multimedia IPTV keyboard	1	Total price	\$ 860
5-port GB Switch	1		
8 GB Capacity USB Flash Drive	1		
Wireless Access Point for multicreen	2		
Demo	2		
USB ETH Adapter	1	✓ Shipping Term DDU (Deliver Duty Unpaid)	
ETH cables (2m)	1	✓ Delivery Lead Time: up to 3 weeks after receipt of payment	
Travel adapter for EU/UK/US	1	✓ Delivery Forwarder: DHL (free of charge)	
Antik STB Debug cable	1	✓ Terms of Payment: 100 % value of PO paid in advance by TT/*	
SmartHome - Wall Power Plug	1	All bank charges are for the account of the customer	
Total pcs	16 pcs	✓ Price of HW is EXW China /Country of Origin: China	
Total weight	5 kg	✓ Warranty period: 23 months * Support included	
Total price	\$ 665		

CUSTOMER

Contact Name:

Tel. Number:

Company Name:

Delivery Address:

E-mail:

Signature:

IPTV SCHEMES



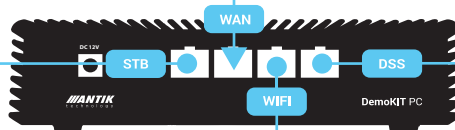
HOSPITALITY



4-port STB



INTERNET



ACCESS POINT



Mobile Apps

1-port STB



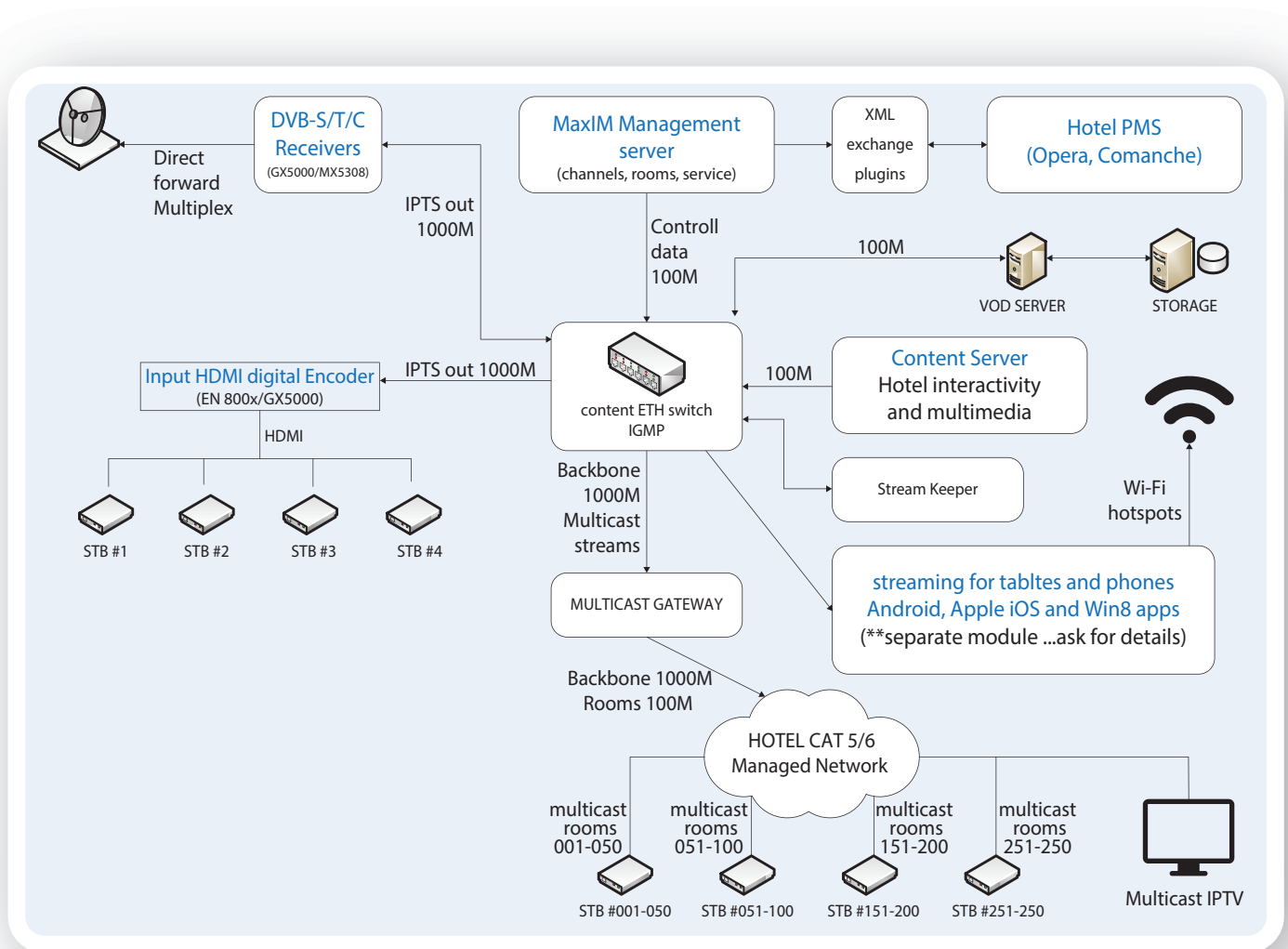
DIGITAL SIGNAGE SOLUTION



SCHEME

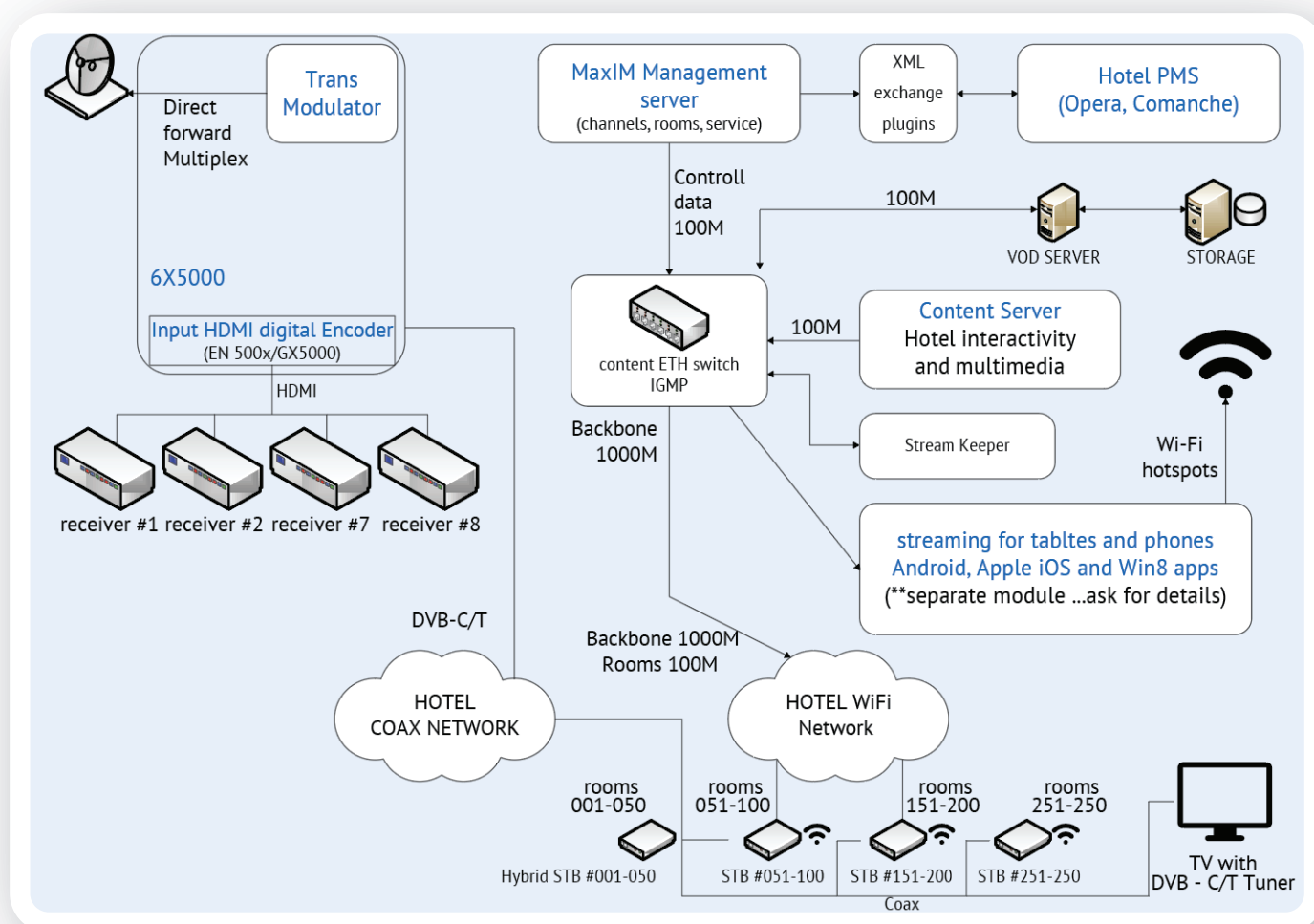
Hospitality IPTV

(Hotels, Hospitals, Schools)



SCHEME

Hospitality Cable + IP Scenario



Antik Technology
Global Office
Carskeho 10
04001 Kosice
Slovakia (European Union)

Tel.: +421 55 30 12345
Fax: +421 55 623 4401
E-mail: sales@antiktech.com

Košice / Singapore / Hong Kong / Shenzhen / Dubai / Sydney

www.antiktech.com

