



Product Catalogue 2018

Digital TV Headend
Streaming Platform
Middleware
Set-top Boxes
Monitoring
Smart Apps



Telco/ISP – IPTV/OTT –SmartHome
SmartCity – Hospitality –Digital Signage

About ANTIK Technology



ANTI-K Technology develops End-to-End IPTV / OTT Solutions for operators, 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 and end-user devices. Our current position on global market benefits from more than 20 years of experience in the area of video processing.

ANTI-K's IPTV products are supported by the team of more than 150 employees. Software development team and technical support are based in Slovak Republic (European Union) and Singapore, hardware development team in Czech Republic (EU), logistics and HW manufacturing in Shenzhen, China and customer support covering Asia, Middle East, Europe, Africa, North and South America from local offices.

Nowadays our reference clients are spread over the world, using our HD set-top boxes with free middleware and smart devices apps both in closed multicast networks and on public internet, streaming thousands of live or archived TV channels to end-users located elsewhere with low-cost Antik HLS Media Streaming Solution protected by KeyRider DRM. We deliver fully customized End-2-End hospitality IPTV to residential projects and hotels in most visited global touristic spots. Our own network of satellite acquisition centers in all important world regions equipped with Antik SAT2IP head-end receivers and HD Hi-Density transcoders together with our distribution network 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.



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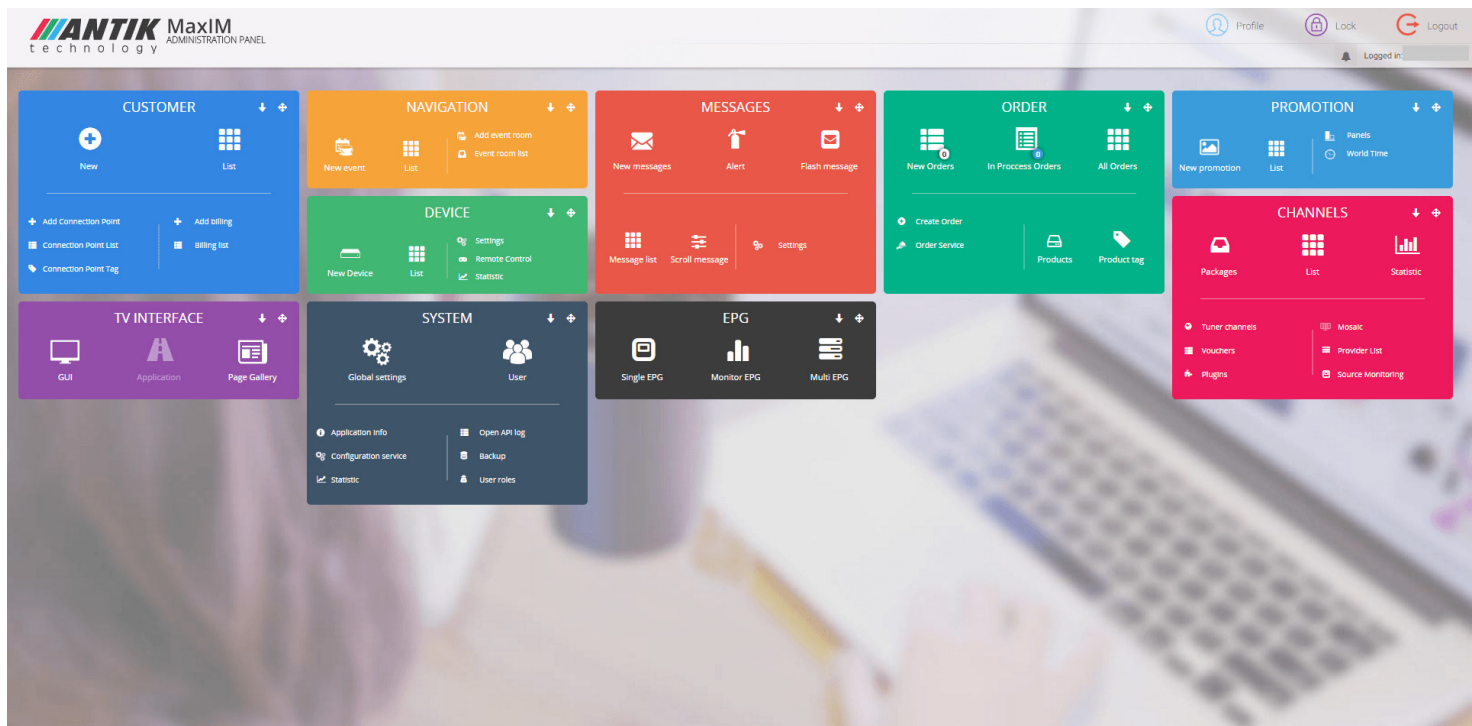
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Antik IPTV Management Server **MaxIM**

The power of Antik Technology!



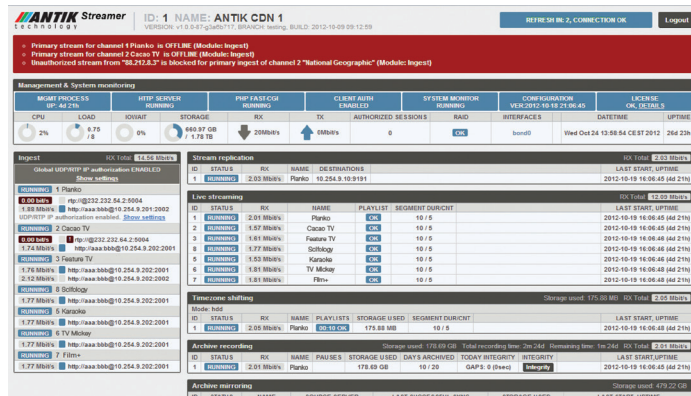
*Antik Technology presents a professional cost-effective SW solution for a seamless management of your Antik set-top box and Mobile Application network. MaxIM is the corner stone of Antik Middleware Server Family. You can easily define your channel packages, configure all or only selected customers' 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** can be easily connected to your billing or to the customer care application, so that your users' set-top boxes will be automatically activated and monitored using the same software your employees are familiar with.*

Key Features

- Simple channel and channel packages management
- Full remote control of set-top boxes and remote restart features (even in public internet)
- Remote set-top box firmware update
- Electronic Programme Guide database management and seamless EPG content import
- Integrated with other components of Antik Server Family
- STB management and user database
- Viewer statistics (users, channels, time,...)
- SNMP Communication Support
- Instant messaging to STBs
- 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

Antik Media Streamer

End-to-End TV Everywhere delivery system.



- Live
- Archive
- Video-On-Demand
- Encryption system
- Cache

Antik Media Streamer provides you with end-to-end way to create, deliver secure and manage your local or global content delivery network. It uses robust HTTP Live Streaming (HLS) protocol to reach your customers even in areas with limited quality of public internet.

Thanks to the years of Antik Media Streamer development you can benefit from modules covering all the areas of live streaming, VOD, state-of-art catch-up TV (archive of linear TV) over public internet as well as timezone shifting together with durable fully adjustable replication and mirroring modules combined with stream protection.

Antik Media streamer can be successfully used inside of managed networks of telco operators to provide their customers with interactive OTT content (VOD, catchup TV) as well as for global OTT content providers who can benefit from the robustness of Antik live streaming with mirroring and replication technology to achieve 24/7 access of huge number of users distributed around the world.

Key Server defines keys and assign them to specific channels. Key server continuously generates new version of keys in defined interval (for each key the interval can be defined independently) - key rotation. Media Streamer periodically downloads new versions of keys and encipher the channels which it finds in keyserver definitions using strong AES-128 algorithm. For media player decipher there is in playlist KeyID for each video segment included. Player asks KeyServer for the exact key using http XML request which is protected by even stronger AES-256 algorithm. KeyServer answers with the key or not based on the client database.

Antik Monitoring Room

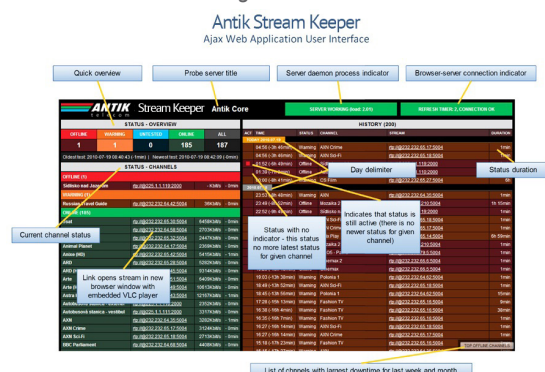
Cost-effective and high-performance tool for NOC IPTV monitoring

Antik Monitoring Room is software based and cost-effective and high performance IPTV monitoring tool, which displays 1 or more streams on submonitors and control their quality. Every error is displayed immediately in the Log file, where admin can see when incident started, ended, from which input and description (audio, video, blackout, etc.).



Antik Stream Keeper

Multicast Parallel testing for maximum speed. With default settings, StreamGuard can test 10 channels simultaneously in 3 seconds. That means 200 channels in one minute. Specified number of retries while channel is marked as offline/warning can minimize small network-related problems. Self-monitored Ajax Web-based client application allows to remotely monitor one StreamGuard probe from many locations, or monitor more StreamGuard probes in one or more locations. Web application contains indicators of browser-server connection and server process status. Channel status history tracks all status changes for downtime analysis. Sound alarm to indicate any stream downtime. Automatic channel import/synchronization from your channel database using standard XML format.



Encoders / Transcoders / Receivers

Antik GX 5000

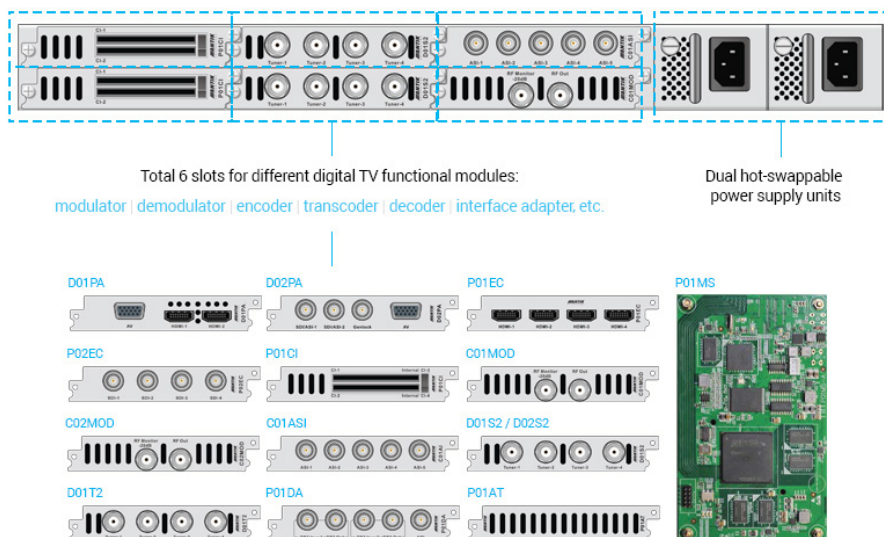
Digital Contents Processing Platform



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



P01MS (reMUX & Scrambler Extension Module)

- 15 Gbps data processing capability
- 32 independents TS reMUX's and Scramblers
- PID filtering, remapping, pass through & mapping
- Insert & Edit PSI/SI tables
- PCR re-stamp & calibrate
- Local or remote CAS synchronous simul-crypt processing
- Self-temperature monitoring

D01T2 (4 x DVB-C/T/T2 Demodulator Module)

- 4 x F type Female, 75Ω
- Input Frequency: 48 ~ 860 MHz (DVB-C), 104 ~ 862 MHz (DVBTT2)
- Input Level: -15 ~ 15dBm (DVB-C), -70 ~ -20dBm (QEF, DVB-T/T2)
- Symbol Rate: 1 ~ 7 MSps (ITU J.83 Annex A DVB-C)
- DVB-T2 v 1.3
- Bandwidth: 6/7/8 MHz
- Input Return Loss: 7 dB

P01AT (4-Way HD/SD H.265 to H.264/MPEG-2 Transcoding Module)

- Input: Compliant with H.265 /HEVC), H.264/AVC Baseline, Main & High Profile @ L4.0 or less & MPEG-2 MP@ML
- Output: MPTS and/or un-stuffed TS, MPEG2 MP@ML, MPTS and/or un-stuffed TS, H.264/AVC Main/High/Baseline Profile @ L4.0 or less (but not include FMO, ASO & RS of Baseline)

P02EC (4 x SDI In Encoder/Transcoder Module)

- 4 x SDI, BNC Type Female, 75Ω
- Audio Input: SDI Embedded
- Sampling Rate: 48 kHz
- Input: MPTS/SPTS, MPEG2 MP@ML MP@HL, MPTS/SPTS, H.264/AVC Main/High, Baseline Profile @ L4.0 or less (but not FMO, ASO & RS of Baseline)
- Output: MPTS and/or un-stuffed TS, MPEG2 MP@ML, MPTS and/or un-stuffed TS, H.264/AVC Main/High/Baseline Profile @ L4.0 or less (but not include FMO, ASO & RS of Baseline)

Encoders / Transcoders / Receivers

D01S2/D02S2 (4 x DVB-S/S2 Demodulator Module)

- 4 x F type Female, 75Ω
- Input Frequency Range: 950 ~ 2150 MHz
- Input level: -65 dBm ~ -25 dBm
- Symbol Rate: 2 ~ 45 MBaud (DVB-S QPSK), 2-31 MBaud (DVB-S2 8PSK)
- Roll Off factor: 0.35 (DVB-S QPSK), 0.35/0.25/0.2 (DVB-S2 8PSK)
- LNB Polarity Selection Voltage: 0, 13 V, 18 V selectable
- LNB Band Selection Tone: 0/22K selectable
- DiSEqC 1.0

P01DA (2 x DS3 Input/2 x DS3 Output/1 x ASI Adaptor Module)

- 5 x BNC Female, 75Ω
- Standard: DVB-ASI, EN50083-9 / ITU-T G.703
- Frame Structure: ITU-T G.752 / ITU-T G.804
- ASI Input or Output can be switched by Web Control
- DS3 bit rate: 44.736 Mbps

P01CI (4 x CI De-encryption Module)

- 4 x Independent Common Interface (DVB-CI) slots
- Multiple programs CSA or BISS-1/E De-encryption
- Support of CAM watchdog

C01MOD (8-carrier QAM or 2-carrier COFDM Modulator Module)

- 2 x F type Female, 75Ω (1 x main output, 1 x -20 dB monitor output)
- Support ATSC/QAM (Annex A/B)/COFDM/DTMB Modulation (Can't work simultaneously)
- ITU-T J.83 Annex A, B
- RF output range: 48 ~ 996 MHz, step by 1 KHz
- FFT Mode: 2K/4K/8K
- Symbol rate: 2.5 ~ 6.99 MBauds
- RF total output level: 80 ~ 100 dBuV
- MER > 36 dB
- Spurious rejection > 55 dB
- Output return loss -10 dB
- Spurious rejection > 55 dB
- Output return loss -10 dB

C02MOD (4-carrier Un-Adjacent Frequencies QAM/ATSC/COFDM/DTMB Modulator Module)

- 2 x F type Female, 75Ω (1 x main output, 1 x -20 dB monitor output)
- Support ATSC/QAM (Annex A/B)/COFDM/DTMB Modulation (Can't work simultaneously)
- ITU-T J.83 Annex A, B
- RF output range: 48 ~ 996 MHz, step by 1 KHz
- FFT Mode: 2K/4K/8K
- Symbol rate: 2.5 ~ 6.99 MBauds
- RF total output level: 80 ~ 100 dBuV
- MER > 36 dB
- Spurious rejection > 55 dB
- Output return loss -10 dB
- Spurious rejection > 55 dB
- Output return loss -10 dB

C01ASI (5 x ASI Input/Output Module)

- 5 x BNC Type Female, 75Ω
- Standard: DVB-ASI, EN50083-9
- Input or Output: Switched by Web Control
- Input and Output Bit Rate ≤ 216 Mb/s
- Support T2-MI

P01EC (4 x HDMI in Encoder/Transcoder Module)

- 4 x HDMI, type A
- Coding Profile & Level: H.264/AVC BLP, MP, HP @ L4.0 or less & MPEG-2 MP@ML
- Audio Input: Embedded
- Coding Standard: MPEG1 Layer II, MPEG-2/4 AAC-LC, HE-AAC (V1, V2)
- Sampling Rate: 48 KHz
- Input: MPTS/SPTS, MPEG2 MP@ML, MP@HL, MPTS/SPTS, H.264/AVC Main/High/Baseline Profile @ L4.0 or less (but not FMO, ASO & RS of Baseline)
- Output: MPTS and/or un-stuffed TS, MPEG2 MP@ML, MPTS and/or un-stuffed TS, H.264/AVC Main/High/Baseline Profile @ L4.0 or less (but not including FMO, ASO & RS of Baseline)

D01PA (2 x H.264/MPEG-2 Decoder Module)

- 2 x HDMI 1.3, 1 x D-sub 15 Female (2 pairs CVBS out adapter)
- Video Bit Rate < 50 Mb/s
- Output Level: -30 ~ + 7 dB (Adjustable, 0 dBm/600Ω)
- Closed Caption: EIA 608, EIA 708

D02PA (2 x H.264/MPEG-2 Decoder Module)

- 2 x DSI outputs, 1 x Genlock input, BNC Female 75Ω, 2 x CVBS outputs by D-sub 15 to RCA convertor
- Video Bit Rate < 50 Mb/s
- Sampling Rate: 32 KHz, 44.1 KHz, 48 KHz
- Analog Video Output: CVBS, 2 x RCA, (DB15 adapter)
- CVBS Standard: NTSC, PAL, SECAM
- CVBS Resolution: 576i x 25, 480i x 29.97
- Output Level: 1.0 Vp-p ± 5 % (with standard test stream)
- Output Impedance: 600 (Balanced)Ω
- Output Mode: Left, Right, Mono, Stereo
- Output Level: - 30 ~ + 7 dB (Adjustable, 0 dBm/600x)
- Closed Caption: EIA 608, EIA 708
- Genlock: Support
- BNC Output Mode: SDI Output/ASI Input/ASI Output can be switched by Web Control

Encoders / Transcoders / Receivers

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

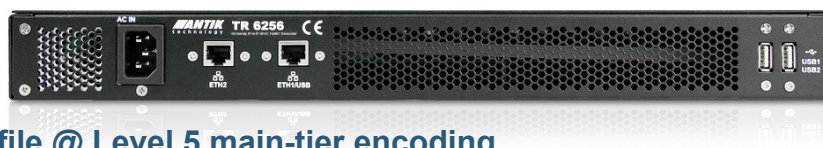
Video Encoding Specification

- 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)
- VP9 (Profile 0/Profile 2 @ level 5.1)
- MPEG 4/2/1, VC - 1/WMV9, VP8/VP6, AVS, REAL 8/9/10, DivX 3/4/5/6 and some other legacy codecs

DETAILED SPECIFICATION



ITU-T H.265 Main Profile @ Level 5 main-tier encoding

- Motion compensation with 1/2 or 1/4 pixel precision
- Three prediction unit (PU) types (32 x 32, 16 x 16, 8 x 8) for intra-frame prediction
- Two PU types (16 x 16, 8 x 8) for intra-frame prediction
- Skip mode and merge mode with a maximum of two candidate points to be merged
- Three transmission unit (TU) types (16 x 16, 8 x 8, 4 x 4)
- Context-adaptive binary arithmetic coding (CABAC) entropy encoding
- De-blocking (DB) filtering
- Sample adaptive offset (SAO)
- Inter-Preprocessor Communications Module (IPCM) encoding

ITU-T H. 264 High Profile/Main Profile/Baseline Profile @ Level 4.2 encoding

- Motion compensation with 1/2 or 1/4 pixel precision
- Two sub-block types (16 x 16 and 8 x 8) for inter-frame prediction
- Prediction modes of intra 4 x 4, intra 8 x 8 and intra 16 x 16
- rans 4 x 4 and trans 8 x 8
- CABAC and context-adaptive variable-length coding (CAVLC) entropy encoding
- DB filtering
- IPCM encoding

Support for multiple input image formats

- Semi-planar YCbCr4:2:0
- Planar YCbCr4:2:0
- Package YUYV

1080p @ 30 fps H.265/H.264 multi-stream encoding Configurable image resolutions

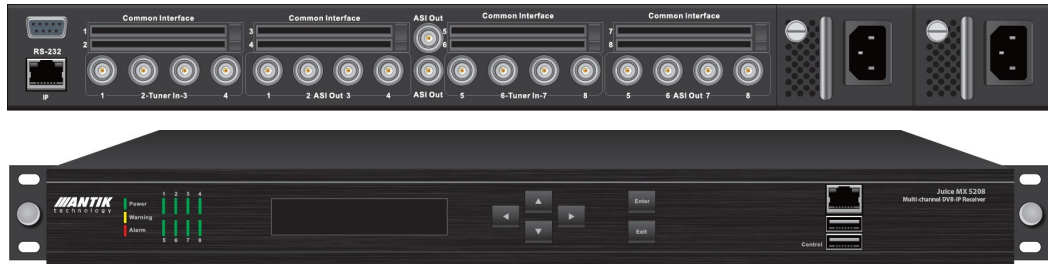
- Minimum image resolution: 128 x 128 (H.265) or 256 x 128 (H.264)
- Maximum image resolution: 1920 x 2048
- Image width or height step: 2

Region of interest (ROI) encoding

- Encoding of at most eight ROIs
- Separate enable/disable control of the encoding function for each ROI

Antik MX 5308 Receiver

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



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

8-way Integrated 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 Nano 3

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

Key Features

- CPU 4 x Cortex A53 (15000 DMIPS)
- GPU Mali-450
- 4K HDR or dual Full HD decoding
- High Efficiency Compression Codecs Decoding - VP9 Profile 2 Support



SPECIFICATION

- HDMI 2.0 a
- AV connector (CVBS, L+R audio)
- TOSLINK (S/PDIF digital optical audio output)
- 1 x RJ45 (Ethernet 10/100baseTx)
- 1 x USB 3.0 (back panel) + 1 x USB 2.0 (side panel)
- external IR sensor
- antenna RF input (optional)



Antik Mini 3

Hybrid IPTV +DVB Set-top Box

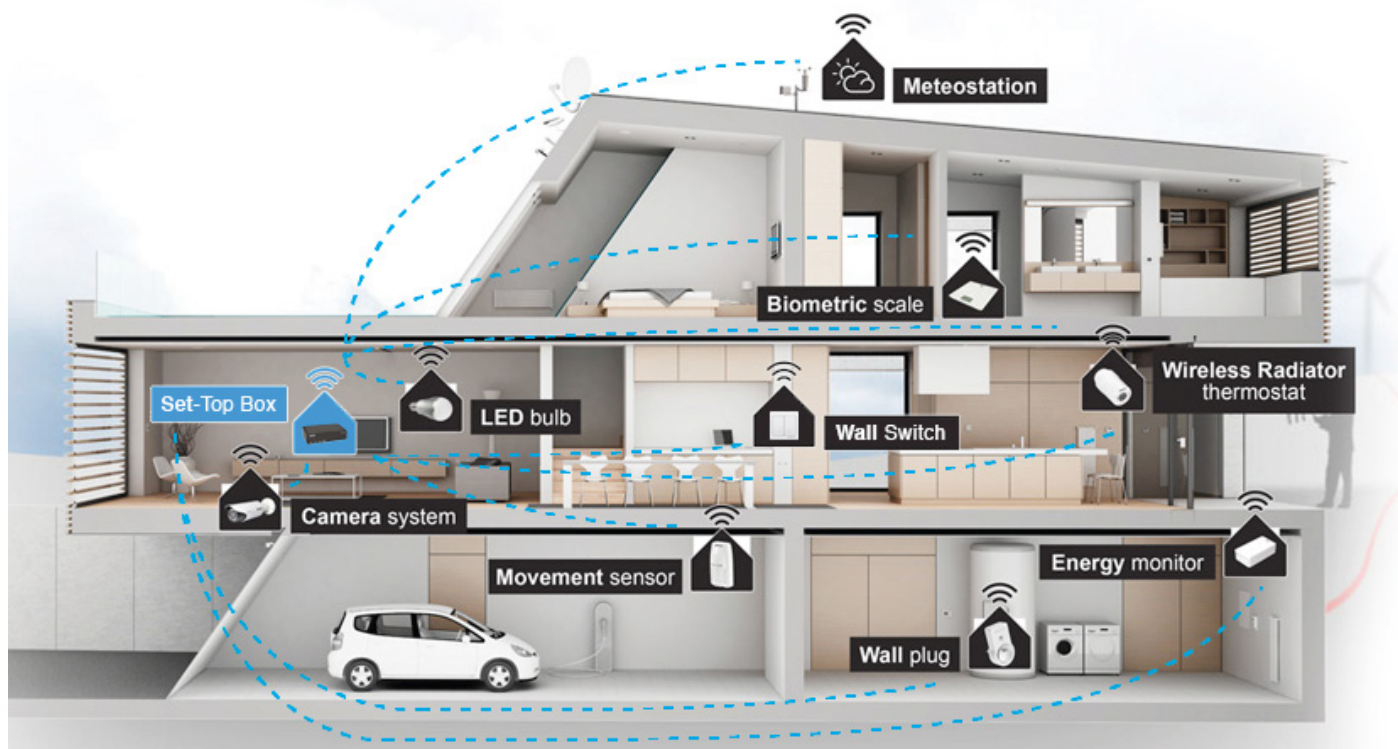
New ANTIK Mini 3 quad-core Linux / Android set-top box with Hi3798C V200 central processing unit has a great features to satisfy highest demands for video decoding, power consumption, price and performance. It is a 4K HDR or dual full HD DVB & IPTV set-top box with VP9 video decoding at 3840 x 2160 resolution at 60fps. Fully integrated with Antik MaxIM management system.



Key Features

- Enhanced Host CPU performance (15000DMIPS)
- Hybrid device with IP + DVB tuner (optional)
- L2 managed switch up to 1Gbps
- 4K HDR or dual Full HD decoding
- Decoding and display capability compatible with HDMI 2.0a
- Wifi 802.11 ac Access Point
- Wake on HDMI CEC, IR/BT RC input
- Smart Home HUB (Z-Wave)
- Modem





Create difference to your telco products and add state-of-art smarthome features to your multiplay offers. From remote control of lighting, heating/AC, home devices and home security to control over power and other resources consumption. Set typical usage profile and home is in a holiday mode within seconds. We are offering you the possibility to prepare for winter unexpected home arrival simply by activating heating and lights on the access road by app. Want to see comparison of power consumption of similar households– check it directly on ANTIK TV screen. The most important places, movement tracking, temperature sensor, water and gas leakage and more can be monitored in real time...security component of ANTIK Smart Home solution. Antik is continuously developing and improving its own set-top boxes with integrated Smart Home system. The communication of devices is enabled directly through Antik Mini3 set-top box with embedded Smart Home.



COMFORT



SECURITY

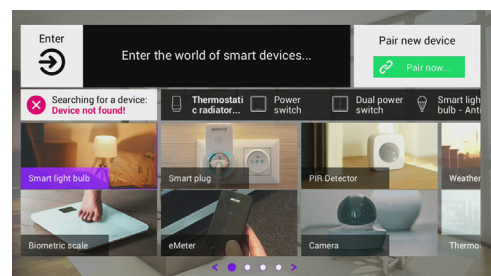
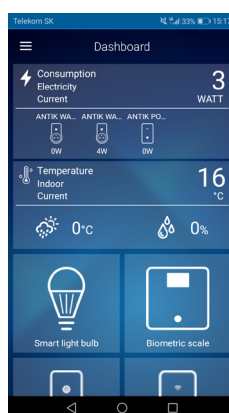
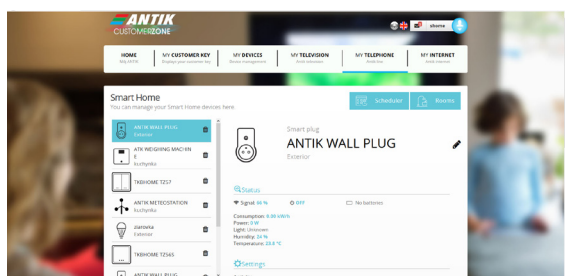


HEALTH



ENERGY SAVING

You can access it through web portal, mobile application or set-top box.



Android

Download ANTIK SmartHome app.



iOS

SMART Home

Energy monitor

Have your home constantly under control. Make overview of the consumption of your appliances, temperature, humidity and intensity of light.



Wall Plug

Measure the consumption of your refrigerator or your TV by using Wall plug. Through the light it will signalize which of your appliances are too costly, so you can replace them and save on monthly electricity bill.

Wireless Radiator Thermostat

Wireless radiator valves provides a convenient way to set the temperature in your home. Remotely regulate the temperature in every room via mobile application or set up the weekly schedule home heating.



Intelligent LED Bulb

Brighten up your home with your favorite colors without painting. Intelligent color bulb contains not only white but also color LED, which allows to create light of any color.



Biometric Scale

Maintaining your optimal body weight has always been a challenge. Thank to biometric scale this process becomes much easier and your goal achievable



Movement Sensor, Door/Window Sensor

Protect your household before the actual distraction. Intelligent sensor will alert you to an open window and inform of the arrival of an unexpected visit.



Gas Detector, Flood Detector

Protect the safety of your home from heating plants or fire. Avoid the consequences of accidents occurring in the interior of the home.



Meteo Station

Get a complete overview of the weather and always be ready to head out of the house. It measures both temperature and rainfall, as well as wind direction and speed, humidity or the pressure. Measured values are kept, so you know to evaluate long-term trends and to some extent predict future developments.



Smart Display

Get a complete overview of the weather and always be ready to head out of the house. It measures both temperature and rainfall, as well as wind direction and speed, humidity or the pressure. Measured values are kept, so you know to evaluate long-term trends and to some extent predict future developments.



Wall Switch

The best way to control conventional light circuits is to use ANTIK Wall Switch and make the standard lighting a part of SmartHome. It is possible to manage it centrally through mobile app, or set it to automatically adapt to adjusted impulse from other system devices or time of the day.



Wi-Fi Camera System

Antik video surveillance with Wifi technology solution brings every moment and every detail about your family to your smart phones and tablets. Both, indoors and outdoors, provide solution to keep you connected to ensure you will not miss any precious moment in your family and ensure you about safety of your home.

ANTIK SmartCAM SCI 10

- HD resolution – 1,3 MP
- IR 10m
- 120° horizontal view angle
- Two-way audio
- Micro SD card memory



ANTIK SmartCAM SCI 55

- Full HD resolution - 3MP
- IR 10m
- 95° horizontal view angle
- Two-way audio
- PIR alarm
- Digital input/output
- Micro SD card memory or cloud
- Interior camera



ANTIK SmartCAM SCI 15

- HD resolution - 1,3 MP
- IR 10m
- Horizontal rotation: 0-355°, tilt: 90°
- Two-way audio
- Micro SD card memory or cloud
- Interior



ANTIK SmartCAM SCE 30

- HD resolution - 1,3 MP
- IR 30m
- 95° horizontal view angle
- Micro SD card memory or cloud
- Exterior, IP 67



ANTIK SmartCAM SCE 35

- HD resolution – 1,3 MP
- IR 30m
- 95° horizontal view angle
- Micro SD card memory or cloud
- Exterior, IP 67



ANTIK SmartCAM SCE 50

- Full HD resolution 1080p
- Horizontal rotation: 0-355°, tilt: 90°
- Micro SD card memory or cloud
- Exterior IP 66, IK 10



ANTIK SmartCAM SCI 85

- Full HD resolution 1080p
- IR 30m
- Horizontal rotation: 0-355°, tilt: 90°
- 4x optical zoom
- Micro SD card memory or cloud
- Interior



ANTIK SmartRecord AS1101

- Max 80Mbps incoming bandwidth
- HDMI/VGA video output
- Support 1 SATA HDD, 2 USB2.0
- MIMO – support of faster connection



SMART City Network Infrastructure



Antik SmartCity Infrastructure brings to your community everything need to upgrade it to SMART level. Durable Antik LoRaWAN Transmitters, Management Platform and easy integration to any 3rd party system covers the city or region with unbeatable data connection for all ultra-narrow-band scenarios for incredible costs.

ANTIK SCN 10

- Omnidirectional LoRaWAN Transmitter
- Gigabit ethernet Interface to connect to Antik SmartCity cloud



ANTIK SCN 20

- Omnidirectional LoRaWAN Transmitter
- Solar power and battery
- 3G/4G modem to connect to Antik SmartCity cloud



- **SmartCity Network Tranceivers**
- **Large family of SmartCity Sensors and Controllers**
- **Cloud Management**
- **Open API**
- **Professional consulting**



Parking sensor

Parking sensor brings real-time information on parking spot occupancy and is directing driver to the nearest available parking space. It will optimise parking usage, improve the efficiency and help traffic flow more freely in the area.



Water Level Sensor

Water can cause lot of damages in short time. That's the reason why we need to monitor its level. If it will exceed required level, sensor alerts you. Recommended is to use it as protection against floodwater.



Environment Sensor

Environment Sensor is able to measure temperature, humidity, barometric pressure, illumination and air quality.



pH Water Quality Sensor

Sensor is able to remotely control quality of water in rivers, lakes or in swimming pools. You can find out the most important parameters, as if the water is potable, chemical leakage detection, or the level of pollution in waters. You can prevent potential risks on public health.



Trash Can Monitor

One of the key role for "Smart City" is to find the efficient way how to get rid of the trash to maintain clean city. Trash Can Monitor can detect if the container is full or overturned and sends the notification to company responsible for its collection



Abnormal Movement Sensor

Sensor saves exact position of object, that should be static and at one place. In case of object missing, it will alert you, so you can resolve it sooner that some misfortune happens. It is well suited for hatches or fire extinguishers.

Connected Water Meter

With Antik Water Meter you will save on costs for remote collection and get notification in case of abnormal consumption. Many other meters available - gas, power, etc...

Smoke Detector

Smoke Detector protects, what matter the most, lives, prevents injuries and minimize damages by notifying you by text message or e-mail in case of fire as soon as smoke is detected.

Temperature and Humidity Sensor

Sensor is well suited on places, where temperature has to be continuously monitored, e. g. in refrigerators or freezers to avoid defrosting of meat or you can monitor humidity of greenhouses.



Charging Station

Considering scarce energy resources and increasing pollution concerns, interest in use electric vehicles also increases. As people need to find the way to keep their cars on the move, Antik brings a new charging station.



Integrated PMS:

- Oracle
- Comanche
- Horec
- Hores
- Hotel Time
- Samsung
- IDS Next

- Guest room interactive 4K TV
- Event navigation
- Digital Signage
- Guest APP
- Housekeeping management
- Hotel room control (coming soon)

Top-level entertainment for your guests

- Crystal clear UHD/HD TV channels
- Welcome screen
- All guest services on TV screen
- Hotel bill, Food ordering, Messages and more
- On-demand movies
- Catch-up TV
- Content Management System
- Internet apps + Mediaplayer
- Quick setup
- Weather
- Sightseeing info

ORACLE

Validated Integration

Oracle Hospitality

End-To-End IPTV for your property

Ultra High-Definition TV, latest entertainment options, top guest experience

Antik Hospitality delivers easy to set-up turnkey head-end and room premises equipment for live TV integrated with all premises 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 development.



Top-Notch Fun Features

Perfect to keep your guest entertained any time of the day. Latest HD movies, local sightseeing information, or using DLNA media player 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.

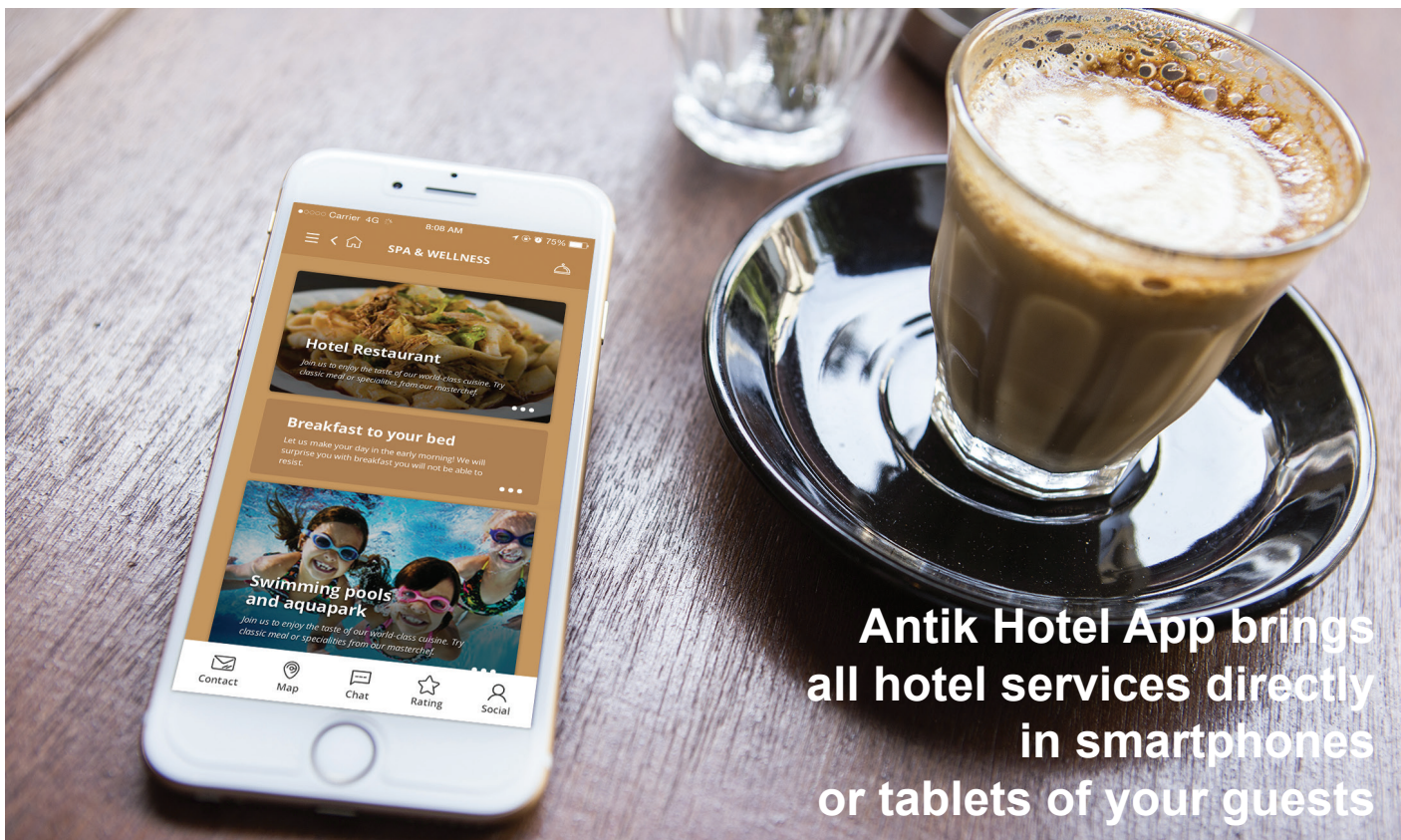


IPTV Management Server MaxIM

The Antik Technology presents a professional cost-effective SW solution for a seamless management of your Antik set-top box and Mobile Application network. 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 can be easily connected to your billing or to the customer care application, so that your users' set-top boxes will be automatically activated and monitored using the same software your employees are familiar with.



ANTIK Hotel App



**Antik Hotel App brings
all hotel services directly
in smartphones
or tablets of your guests**

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

Immediate response to all requests of your guests to make sure they are comfortable, without appearing invasive and compromising their enjoyment of their stay is a must. Earn your bonus in the form of increased customer engagement and revenue growth!

Antik Hotel App has the solution

Maximize guests' spending

Upsell your services and earn additional revenue from services provided by hotel.

Gather guests' feedback

Learn how guests feel about your hotel and its services and eliminate negative reviews.

Address your guests in real time

No posters, no brochures. Communicate with your guests immediately.

Build long-term relationship

Address your guests after check-out and make them come to your hotel again!



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 set-top 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).

ANTIK Digital Signage

Totem 55" vertical



Energy protection class: A+
Typical power consumption: 250 W
Screen size: 139 cm (55")
Resolution: Full HD, (1920 x 1080)
Technology: LED
Inputs: HDMI, CVBS, DVI, TOSLINK
Weight: 95 kg
Dimensions: 2040 x 960 x 350 mm
Type: Indoor

Totem 42" vertical



Energy protection class: A+
Typical power consumption: 240 W
Screen size: 106 cm (42")
Resolution: Full HD, (1920 x 1080)
Technology: LED
Inputs: HDMI, CVBS, DVI, TOSLINK
Weight: 70 kg
Dimensions: 2005 x 805 x 350mm
Type: Indoor

Wall-mount 42" horizontal panel



Energy protection class: A+
Typical power consumption: 240 W
Screen size: 106 cm (42")
Resolution: Full HD, (1920 x 1080)
Technology: LED
Inputs: HDMI, CVBS, DVI, TOSLINK
Weight: 38 kg
Dimensions: 1075 x 335 x 150 mm
Type: Indoor

Wall-mount 10"/19" horizontal panel



Energy protection class: A+
Typical power consumption: 35 W
Screen size: 25 cm (10")/(48 cm (19"))
Resolution: Full HD, (1920 x 1080)
Technology: LED
Inputs: HDMI, CVBS, DVI, TOSLINK
Weight: 11 kg
Dimensions: 467 x 315 x 42 mm
Type: Indoor

Leaflet holder 26" vertical



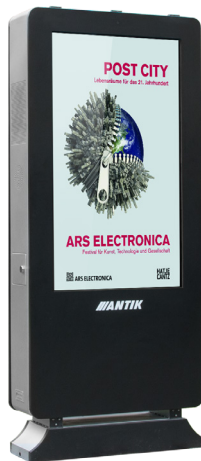
Energy protection class: A+
Typical power consumption: 65 W
Screen size: 66 cm (26")
Resolution: Full HD, (1920 x 1080)
Technology: LED
Inputs: HDMI, CVBS, DVI, TOSLINK
Weight: 50 kg
Dimensions: 1850 x 750 x 610 mm
Type: Indoor

Totem 47" single-screen outdoor



Energy protection class: A+
Typical power consumption: 120 W
Screen size: 119 cm (47")
Resolution: Full HD, (1920 x 1080)
Technology: LED
Inputs: HDMI, DVI, VGA, USB
Weight: 150 kg
Dimensions: 800 x 230 x 1800 mm
Type: Outdoor

Totem 55" dual-screen outdoor



Energy protection class: A+
Typical power consumption: 600 W
Screen size: 139 cm (55")
Resolution: Full HD, (1920 x 1080)
Technology: LED
Inputs: HDMI, DVI, VGA, USB
Weight: 220 kg
Dimensions: 880 x 300 x 1950 mm
Type: Outdoor

Totem 55" single-screen outdoor



Energy protection class: A+
Typical power consumption: 290 W (day), 160 W (night)
Screen size: 139 cm (55")
Resolution: Full HD, (1920 x 1080)
Technology: LED
Inputs: HDMI, DVI, VGA, USB
Weight: 185 kg
Dimensions: 880 x 230 x 1950 mm
Type: Outdoor

ANTIK Event navigation system

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

KEY FEATURES

- 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

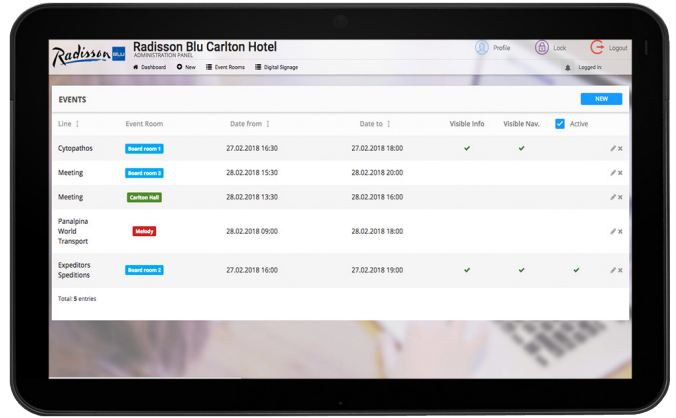
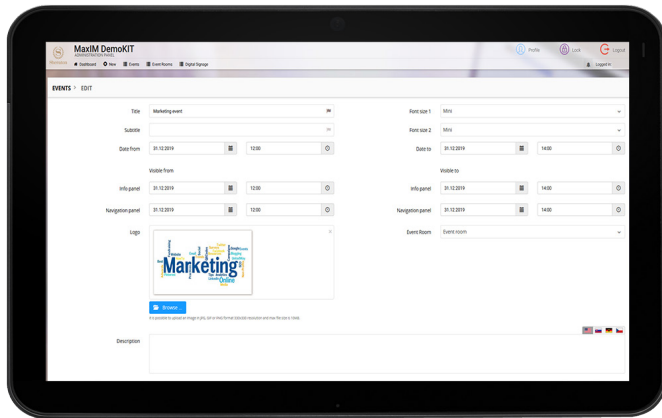
Content Management System MaxIM

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.

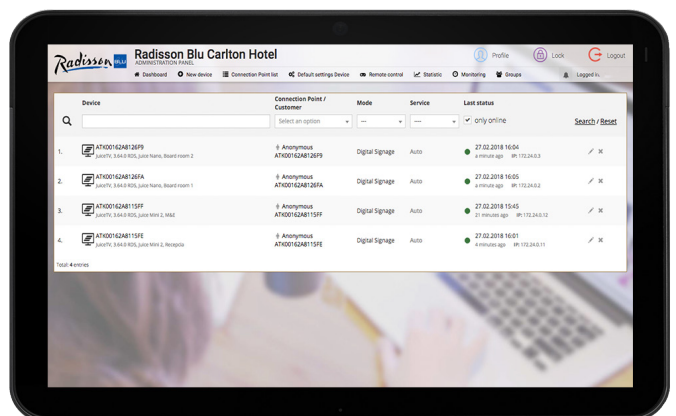
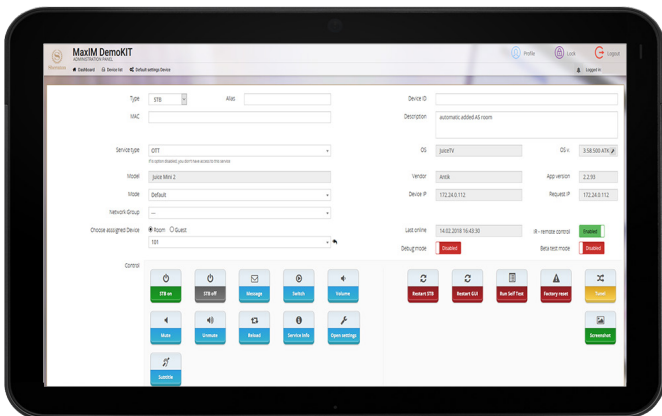


ANTIK Event navigation system

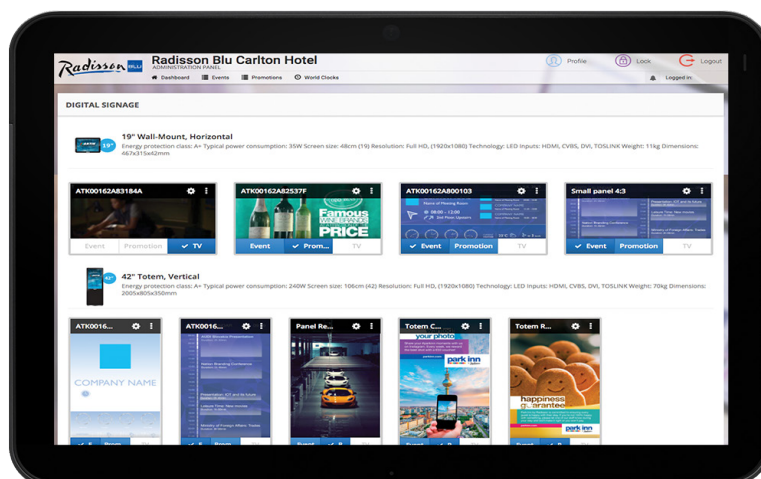
EVENT PLANNING TOOL



REMOTE SCREEN CONTROL



ONE-CLICK CHANGE OF SCREEN ROLE



ANTIK Event navigation system

Variety of templates

Navigation totem



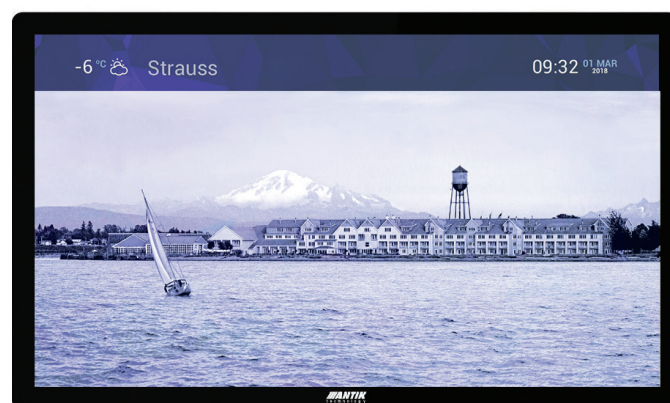
Room entrance screen



Room entrance daily schedule



Room entrance with advertising



Vertical navigation screen



Vertical navigation totem combined with advertising



Smart cleaning and maintenance under control-anywhere



KEY FEATURES

- automated housekeeping tasks planning tool
- personnel task allocation cloning to simplify daily routines
- daily tasks status under control in 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

ORACLE®

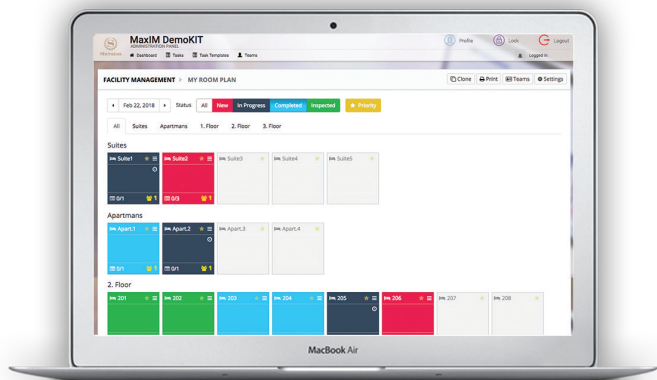
Validated Integration

Oracle Hospitality

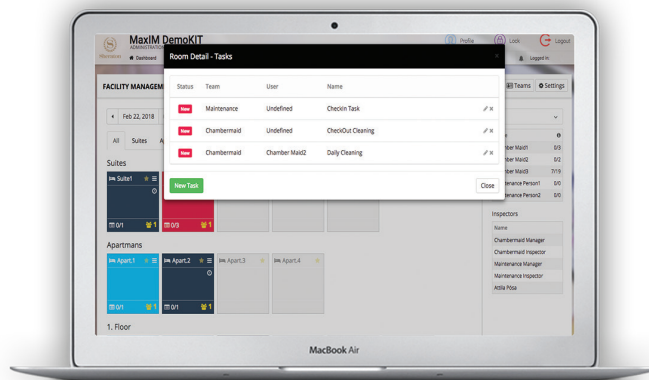
ANTIK Housekeeping and Facility Management

Antik Housekeeping and Facility Management helps you 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 on tablets or any other smart devices – 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 applications. SOS button for chambermaids to bring attention in unusual situations.

Housekeeping Dashboard for Inspectors/and Managers



Tasks allocated to room



Housekeepers Service menu on guestroom TV



Housekeepers App for Android Smartphone

Maintenance Engineer App for Android Smartphone

ANTIK Passenger Infotainment System

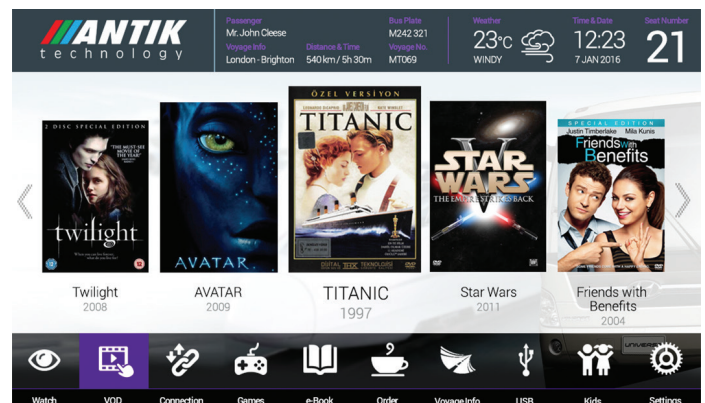
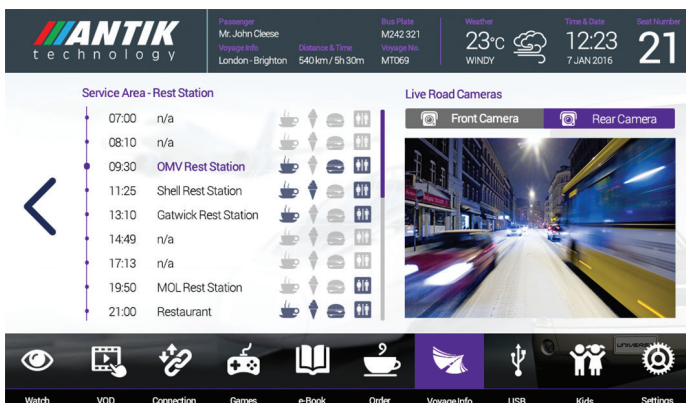


Grant your customers an enjoyable journey with **Antik Infotainment System**

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.



INFORMATION & ENTERTAINMENT



BYOD - Bring Your Own Device



Key Features

- 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.

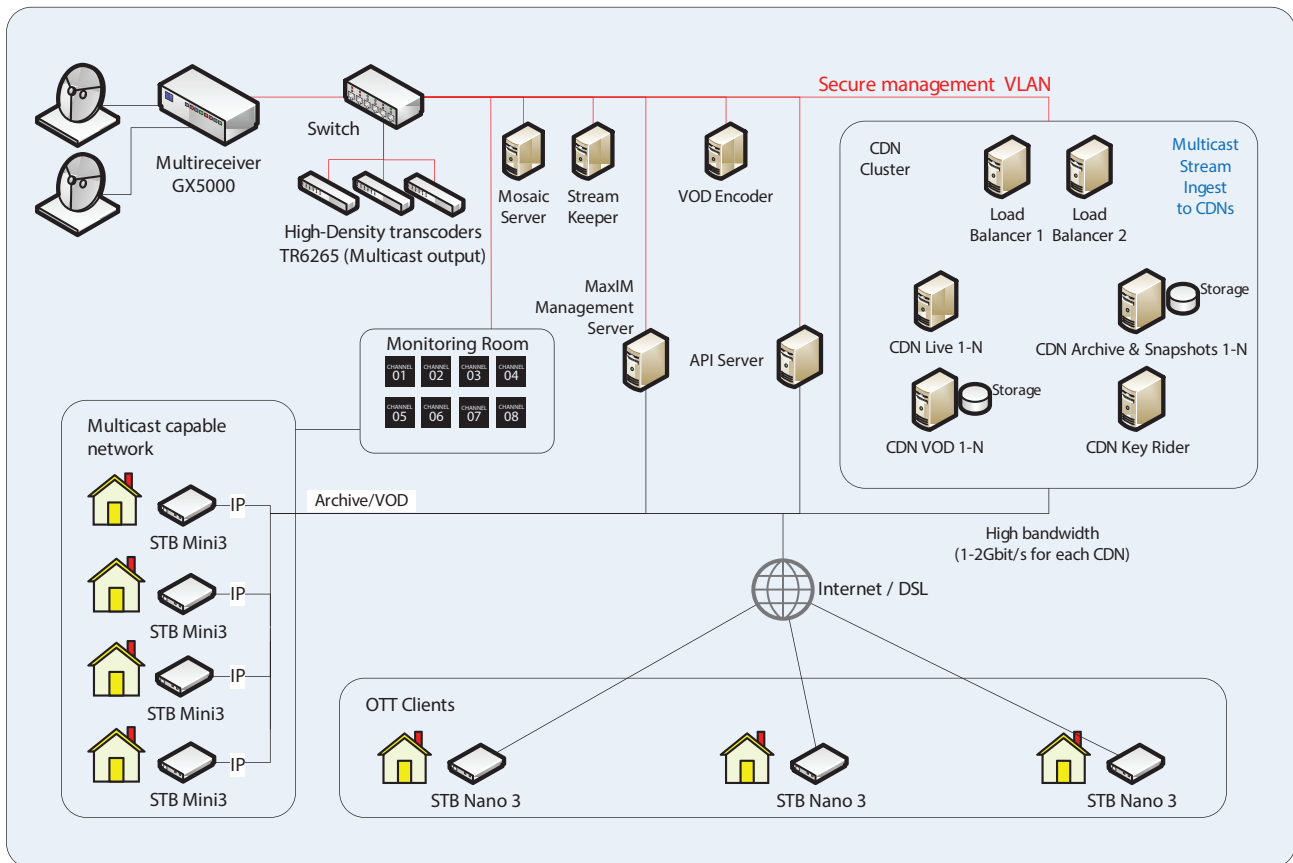


E-books

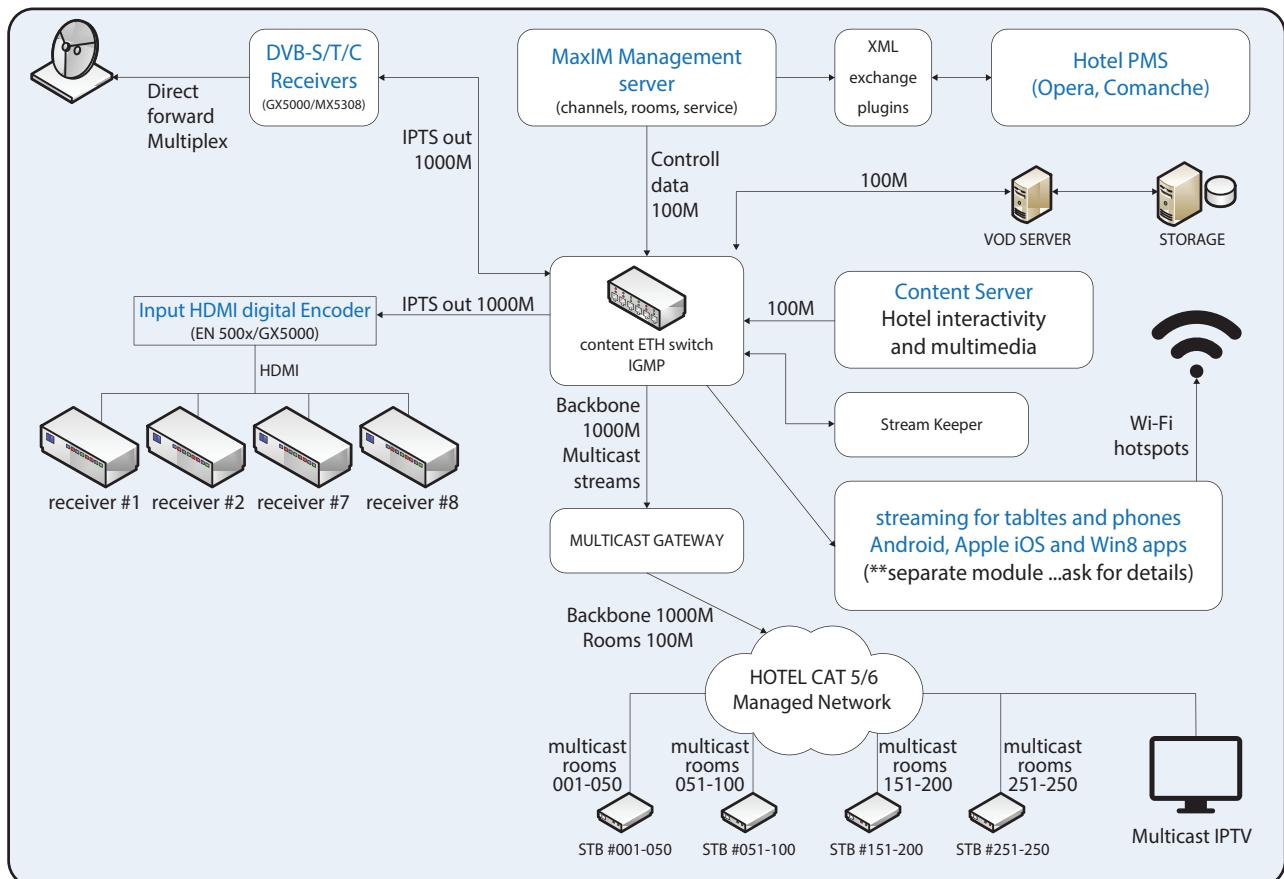


Games

Telco/ISP/OTT/ANTIK Digital Headend



Hospitality IPTV (Hotels, Hospitals, Schools)



Scheme

Digital Signage Scenario - Public Internet



Digital Signage Scenario – Corporate Network



IPTV Solution all-in one-Most of Antik in one valuable pack

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 and cameras. Technical support covers (incl. in price) all necessary help with IPTV demokit setup.



ORDER IT NOW
for **665 USD**
(transport included)
at info@antiktech.com

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
- Mobile TV
- IP SmartCam enclosed

Key Features



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.

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March 2018

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