

Service Platform for IPTV and Hybrid TV

For managing and distributing TV channels and Interactive services.





IPTV and hybrid TV service platform

Teleste MyCast is a carrier-class solution for managing and distributing TV channels, on-demand video and interactive services in broadband networks. It enables the creation of wide variety of on-demand, enhanced-TV, entertainment, information and communication services. The solution has intuitive user interface, and it integrates services with head-end equipment, subscriber management, billing and any other systems through open and well documented API's. Most importantly, it enables you to stay in the front line of modern service provision and keep your customers satisfied.

Turn TV to a modern entertainment center

TV has a traditional role as a center piece in a living room, and we believe it has a good chance to stay as such also in the future. Times are changing, though, as consumers are looking for more independent schedules as well as interactive services.

Teleste MyCast turns traditional TV to a modern entertainment center by enriching TV with wealth of new interactive services needed to satisfy subscribers' needs. The selection of services and applications increases constantly, and more can be easily added for the enjoyment of all subscribers or just a part of them – the way you wish.

Make of yourself the central hub

Teleste MyCast gathers linear TV and interactive services under one interface on a TV screen, making them easily accessible. Therefore, it enables the cable operator to act as a central hub to all content whether it comes from a local web service, Internet stream, video-on-demand movie, timeshift TV or linear TV service.

Keeping up to date and providing access to state-of-the-art services is vital in the modern and fast evolving world where customers constantly require more to stay loyal. Teleste MyCast makes it easy to answer the challenge by providing a centrally managed, browser-based solution, which can be updated with new features in a blink of an eye.

Different services to different subscribers

Some subscribers demand it all while some settle with less. Pay TV and related channel packets have been around for a while to cover the demand for linear TV services. Teleste MyCast brings the idea to a new level by enabling application provision based on the same principle – you can offer differing application bouquets to different subscribers. It enables new business models, gives tools for pricing strategies and tackles differing customer needs, too.

Freedom as a feature

In modern society, the time is scarce and schedules are tight, influencing greatly customers' TV consuming habits. They still want to follow their favorite shows, but they may not be near the TV set when the shows are broadcasted. Teleste MyCast answers the challenge with its timeshift features allowing rewinding of EPG and recording TV shows location-independently via web EPG, which is accessible with almost any web-enabled device.



Support your brand and stay current

User interface of an entertainment portal doesn't have to be constant, and it can change, for example, when you update your brand image. Teleste MyCast user interface shown on TV screen can be tuned according to your needs, or you can tailor it even yourself. MyCast provides easy-to-use tools to keep it fresh and appealing.

Due to Teleste MyCast browser based architecture, you can always be sure that the user interface is the same for all the customer groups. Similarly, adding new applications and introducing them at once to all the subscribers is effortless.

Bringing in the best of both worlds

Linear TV services can be broadcasted efficiently via a cable TV network while interactive IPTV services come naturally via IP. Combining these both together forms a hybrid TV system where traditional broadcasting makes a great companion to new interactive IPTV services.

While still on the drawing board, Teleste MyCast was designed to combine the benefits of both broadcast TV and IPTV. Selecting just one check box in the management interface can switch MyCast to serve as an IPTV middleware or as a hybrid TV solution. It gives unparalleled flexibility for you in choosing how you want to run your system. Subscribers' TV experience remains exactly the same whether it is a hybrid TV or IPTV.

Open the door to world wide video

Internet is packed with open content sources covering it all from main stream material to more marginal content, which is of interest to small but enthusiastic and dedicated user groups. Accessing the material conveniently, while not compromising the quality and usability expected from a TV service, presents a challenge.

Teleste MyCast lets you harness a variety of over-the-top (OTT) services to work for your favour and make yourself appear as an access point to all the available services. It tackles clumsy usability by retaining high-end TV experience with a sophisticated user interface and ensures that your subscribers will remain satisfied and loyal.

Video-on-demand in DVB-C network

We call it CableVoD – you can call it a new revenue stream. Teleste MyCast CableVoD brings IPTV user experience to a regular cable TV network. It introduces video-on-demand services to one-way network by utilizing other return channels available on mobile phones and PCs for controlling video play-out and ordering movies through a VOD portal.

A major benefit is that you don't necessarily need to touch the existing set-top box base at all and can start providing a new service for basic legacy zapper set-top boxes.

“Become a content hub for services”

Service Modules



Multi-Screen

- Set-top box + TV
- PC
- Tablet
- Smart Phone



Live TV

- Available for Multi-screen
- Comprehensive TV functionality with all required basic functions



EPG

- Available for Multi-screen
- Full EPG for one week
- Intelligent search functions
- Historical EPG for timeshift TV



Timeshift

- Available for Multi-screen
- Start over TV
- Catch-up TV
- Network PVR



VOD

- Available for Multi-screen
- IP VOD
- Cable VOD for legacy DVB STBs with Conax CAS
- Dynamic content ingestion and management



SDK

- Easy creation of TV optimized interactive services
- Example services + documentation + MyCast JavaScript API

Management Modules



Broadcast Manager

- Easy configuration for DVB, IP and hybrid networks
- Centralized management for all network, service and EPG related tasks



On-Demand Manager

- Metadata management
- Asset and network management
- Promotions and campaigns support



IPTV Manager

- User account management
- End-user device management
- End-user services management



UI Manager

- Centralised STB UI modifications
- Easy brand communication and promotion
- Fast UI updates to all STBs



Over-The-Top
EPG
Hybrid DVB-C+IP
Pay TV
VoD
Multi-Screen
Timeshift
Cable VoD
IPTV
Web TV
nPVR

Build your own

Competition over subscribers' attention and time is fierce. There are plenty of actors on the market providing attractive services over the Internet. It is clear that subscribers desire access to web services that everyone talks about. This imposes a direct challenge to local cable TV operators. There is a choice to be made – whether to appear as a premium content supplier or be reduced to a network access provider.

Teleste MyCast allows you to turn the challenge to your victory by enabling you to provide access to web services and in addition to spice up your offering with local content services, bringing thus local relevance. This is easy with Teleste MyCast SDK, which can be utilized with standard web authoring tools. It is just like developing an application to the Internet.

Watch anywhere you want

TV is expanding its influence outside of the traditional living room. Consumers want to have location-independent TV services available. Computers and mobile phones play an important role where services reach outside traditional TV sets to new devices.

Teleste MyCast comes with a multi-screen functionality, enabling subscribers to access services independent of their location. All video related services are available not only on your TV set, but also on selected mobile phones, tablet computers and PCs. If you like, you can distribute your services –encrypted or free-to-air – also via the open internet.

"Live-TV and On-Demand on Every Device"



Technical specifications

Parameter	Specification	Note
Content		
Content format	HTML, JavaScript, SVG	STB UI implementation
UI resolutions	576i, 720p	
TV formats	4:3 and 16:9 formats	PAL-B, NTSC-M
Supported Browsers		
STB Browsers	Mozilla, Opera, Webkit, Access, Ekioh, Ant Galio	Firefox is the recommended browser
PC Browsers	Firefox, Chrome, Opera, IE	
Supported set-top boxes		
Motorola	VIP19x3 series, VIP19x0-9 series	Cable VOD only On request
ADB	2810W	
Amino	AmiNET A130 with Opera Browser	
DVB-c zapper STBs	with Conax CA	
Other STBs	STB containing HTML browser and native JS API	
Other supported devices		
PC	Browser based service	Contact Teleste for further information
iOS devices	Browser based service / native application	Contact Teleste for further information
Android devices	Browser based service / native application	Contact Teleste for further information
Subscriber authentication & management		
Authentication	IP and MAC address, Unique serial number, CA card, pin-code, passwords	
Subscriber management systems	Own API available, Data Prism Vision, NetAdmin, Magnaquest	
Supported protocols	XML-RPC, RADIUS, LDAP, SOAP	
Conditional Access Systems	Verimatrix, Conax, SecureMedia	
EPG data		
EPG data information source	DVB, XMLTV and several proprietary formats	Easy integration with EPG sources
Management and monitoring		
SNMP	v1/v2c, MIB-II, Host Resources MIB, traps	
Statistics	users, channel viewing, service usage, server load, etc.	
Remote access	telnet, ssh	
Self diagnostics	Automatic HW diagnostic when device is restarted	
Alerting	Alert Standard Format 2.0	
Network		
Addressing	IPv4	IPv6 ready
Protocols	TCP, UDP, RTSP, IGMP, ICMP, HTTP	
Connection implementation	SSL (ver. 3.0, 64 and 128 bits), VPN, Simulcrypt, PKI, Macrovision 7.01	
Servers		
Form	Rack 1U or 2U / 28" deep	Up to 42 units per standard 19" rack
Supply voltage	230 VAC / 50 Hz	