

Feature-rich Solution for IPTV/OTT/Web TV

Netris offers solutions for operators and service providers worldwide to launch interactive TV services over IP. Netris end-to-end solutions for digital TV provide: OTT (Web TV), IPTV, multiple screens content delivery, B2C and B2B business models.

Netris is your choice whether you plan both to launch a multiservice delivery infrastructure to sell digital content on the managed network and over the Internet. The services to be supported: TV Broadcasting, EPG, Mosaic View, Video on Demand, TimeShift TV, Pause Live TV, DVR, Parental Control, Reminders, etc.

Television over Internet - OTT

Adaptive Streaming System

Adaptive Streaming System provides high quality of experience for Internet video consumption. It works by detecting a user's bandwidth and CPU capacity in real time and adjusting the quality of a video stream accordingly. Netris IPTV&OTT solution use Netris own adaptive technology as well as supports Apple Live HTTP Streaming and 3GPP-Adaptation.



Multiple Screens Content Delivery

Netris offers new unique experience in seamless switching between internet-connected devices during watching TV. The cutting edge solution provides personalized interactive service on any device to a consumer choice.



Ott Benefits:

- Take your TV with you where ever you go
- Watch Internet on a TV set
- Comfortable and ongoing viewing thanks to adaptive streaming
- Content protection with world famous CA/DRM systems
- Services development and growing

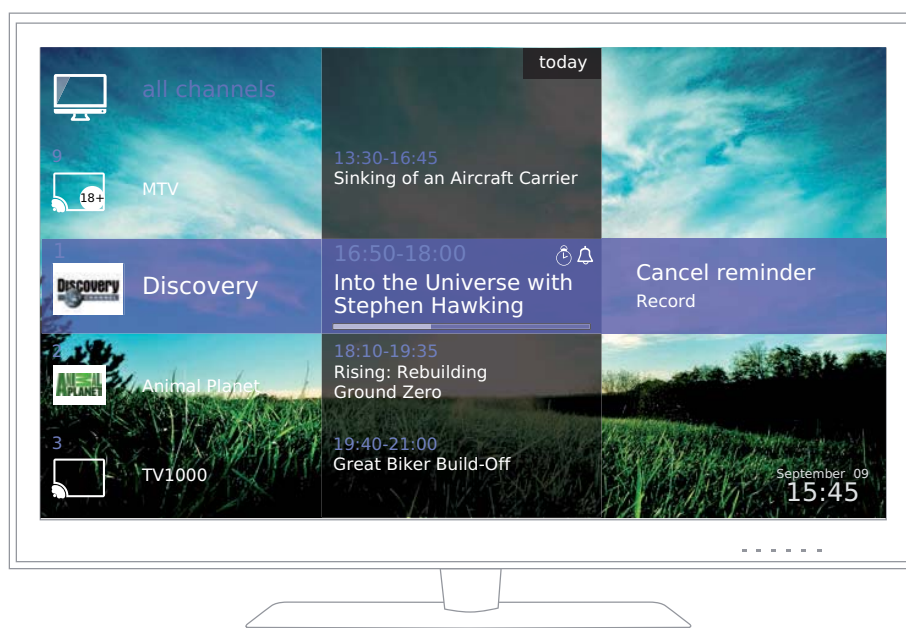
IPTV&OTT Solution Components

Netris iVision Middleware

Netris iVision Middleware is the core element of Netris IPTV&OTT solution. It generates user interface and provides access to multimedia and interactive services.

Key Features:

- One platform for IPTV and OTT services
- Support of browser-based and 'fat' clients for set top boxes
- The services are available via PC and web browser
- New solid architecture enables performance boosting and reliability growth
- Standard iVision Middleware package includes several already-defined interface designs in SD and HD formats, and they might be deeply customized
- By using iVision Portal SDK operators can create unique user interfaces according to their preferences and marketing or regional strategies
- Completed integration with the most popular set top boxes and CA/DRM systems
- Advertising options



iVision Pure

Basic Features:

- Animated EPG
- Favorite Channels
- Subscription Management
- Parental Control
- Reminders
- User Settings
- Multi-Lingual Support
- Autonomy

Added Value Features:

- Mosaic View
- Picture in Picture
- Video on Demand
- TimeShift TV
- Live Pause TV
- DVR (USB)
- Open API
- User Statistics

Netris iVision Pure Interface

Netris iVision Pure is a plain and multifunctional interface to be a component of Netris' flagman iVision Middleware. It is based on the 'fat' client technology and offers hybrid OTT and IPTV services delivery to users' set top boxes. **The key benefits of Netris iVision Pure are fast navigation and channel zapping, a stylish and laconic design and an opportunity to work offline when the connection with the server is lost.**

Netris iStream Video Server

Netris iStream Video Server provides top value-added services that help operators and service providers to attract on demand customers and generate revenue at the same time. This product was developed as an ideal combination of high performance and reliability, with a scalable solution that makes economic sense. iStream delivers independent scalability of content ingest, storage and streaming across IP networks worldwide.

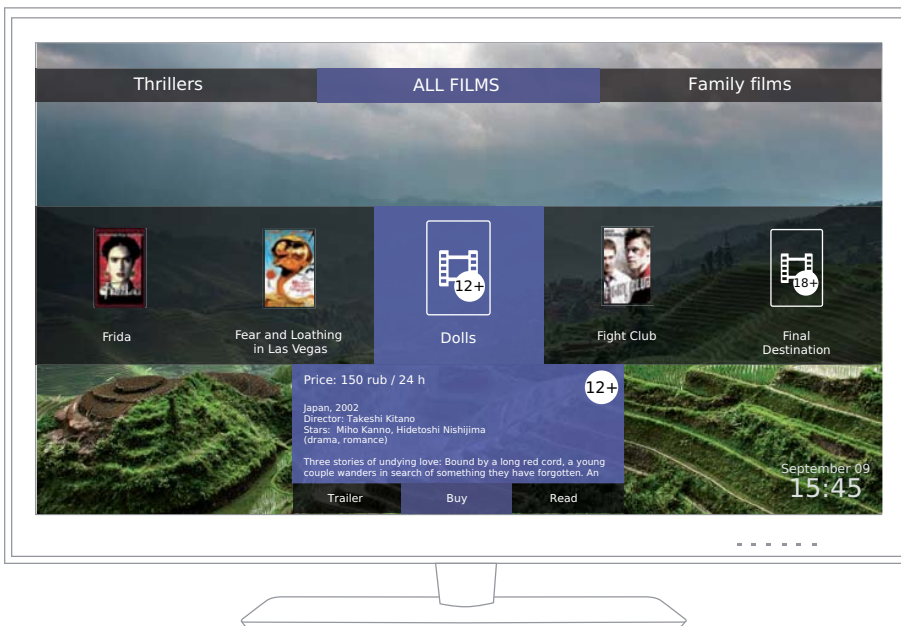
Key Features

Rich Functionality: Video on Demand, near Video on Demand, network Personal Video Recorder, TV Channel Re-streaming, IP Camera Streaming, Simulated Multicast and Adaptive Streaming.

Multiple Screens Support: STBs, PCs, tablets, mobile phones.

Supported Software Players: Microsoft Windows Media Player, Adobe Flash Player, VLC, Verimatrix PC Player, Apple Quicktime.

Supported Mobile Terminals: powered by Android, Apple iOS (iPad/iPhone), Symbian and Windows Mobile.



Netris CDN

Netris Content Delivery Network is a distributed system of servers to improve access to the video services by increasing access bandwidth and redundancy. Balanced and adaptive Netris CDN manages and preserves the quality of video content during its entire delivery and reduces bandwidth costs.

Netris Benefits:

- Proven IPTV&OTT solution with more than 300k subscribers
- A great variety of supported services
- Award winning solution
- Wholesale service model
- Integration with the most popular set top boxes and CA/DRM systems
- Flexible approach to the service time to market



Solution Ecosystem

CAS/DRM



STB



Case Studies

Kazakhtelecom (www.telecom.kz) is the largest fixed line telephony carrier in Kazakhstan with a status of a national operator. It works both B2B and B2C markets all across Kazakhstan.

Netris provided Kazakhtelecom with a state-of-art IPTV&OTT solution that was launched in commercial use in February 2009 under iDTV brand. The system is powered by Netris iVision Middleware. The platform is designed to provide core IPTV service functionality, interoperability of components and a user-friendly interface. The solution also includes Netris iStream Video Servers, SecureMedia Encryptonite One, Netris DMA and Netris NSR (national reservation system for inventory and streaming monitoring).

At the present the Netris solution has been rolled out on 15 nodes in cities and towns all across Kazakhstan.

TransTeleCom (www.ttk.ru) is the head company of TTK group of companies. TTK enters top 5 service providers of Russia. The major shareholder is Russian Railways Joint Stock Company.

Netris provided TTK with end-to-end solution to deliver IPTV services to Novosibirsk and other cities of Western Siberia Region. The solution includes Netris iVision Middleware and Verimatrix VCAS. The provider launched TV broadcasting services, EPG and Mosaic View based on stylish and friendly iVision user interface. TTK offers IPTV service and internet access in one bundle.

Alternative ISP with subscription base about 30k internet subscribers:

- Vladlink (www.vladlink.ru)
- Fryazino.net (www.fryazino.net)
- Satellite Service (www.satellite-service.ru)
- Television and Radio Technical Center of Sakha Republic (www.tctr.ru)
- Tvingo Telecom (www.tvingo.ru)
- Rosintel (www.rosintel.ru), etc.

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