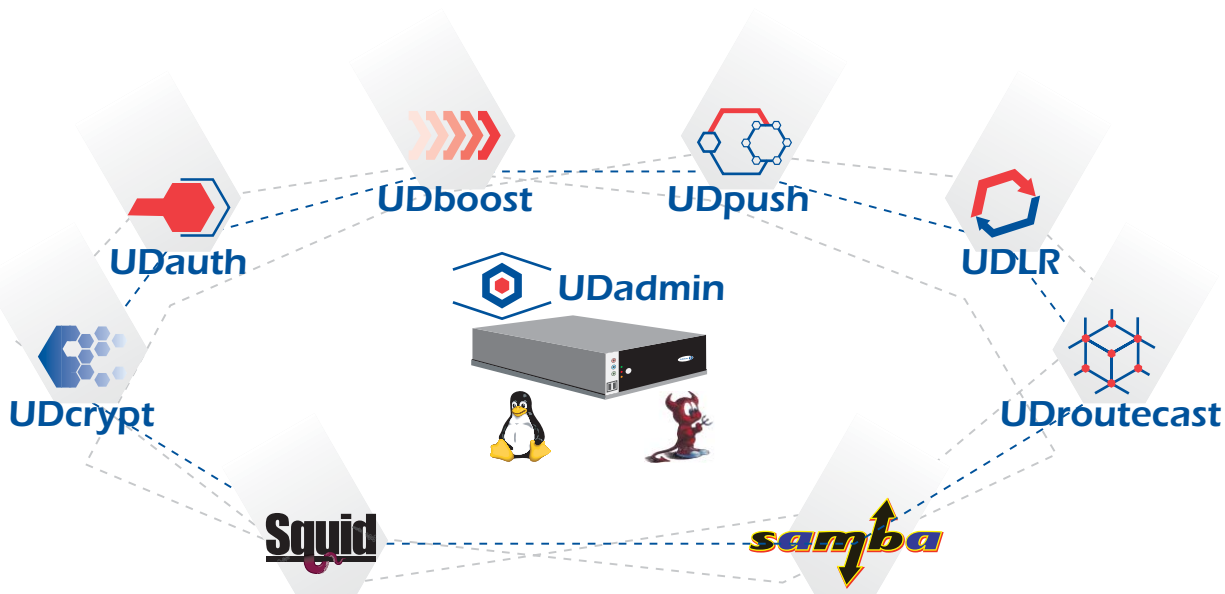# UDcast

Full IP over BROADCAST Media

UDstation/box

Solution for IP-DVB

Software/Appliance package
- Complete IP-DVB networking solution
- Flexible open hardware

UDboost UDpush

UDauth UDadmin UDLR

UDcrypt UDroutecast
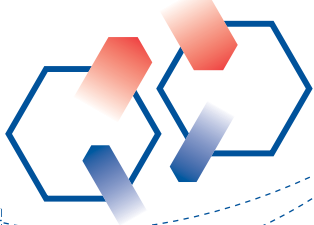
Squid samba

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01 ◇ # Description

UDcast provides fully packaged DVB network solutions, based on cutting edge IP technologies and proven system integration know-how.

The **UDstation** package is designed to be integrated with DVB transmission hubs and, as an option, on end-customer central locations for backhaul traffic.

The **UDbox** can be used as a stand-alone appliance or as an IP router connected to a Local Area Network.

The above packages provide the complete set of required functionalities to enable terrestrial IP routing performance over asymmetric and hybrid network links. Options include compatibility with any DVB receiver and any type of return path access type, strong communication authentication, full IP multicast routing and IPsec security, TCP acceleration and caching, multicast file transfer and sharing.

A web-based administrator system complements the package for local and central network management. On top of being designed and optimized for DVB links, both the **UDstation** and **UDbox** packages deliver unique IP scalability features. As an option, UDcast software packages can be embedded into specific hardware platforms, designed for versatile DVB usages.

02 ◇ Features / Benefits

+ All in one IP over DVB software solution
- . All required features for any type of DVB usage are included in the UDstation and UDbox software packages.
- . The packages come complete with software integration and optimization, including the operation system configuration, driver tuning, IP routing, and file system settings
- . Integrated administration tool - web-based interface

+ Complete features for a DVB-based solution deployment
- . Full Ethernet emulation over DVB links, dynamic IP multicast routing
- . Full IP security including encryption, strong authentication, and firewalling
- . Full caching solution including TCP acceleration and large cache buffering
- . Full content push solution including multicast data transfer, storage, and file sharing

+ Versatile communication means
- . The UDstation supports any network connection configuration, for flexible integration options with the transmission hub (directly or remotely connected to an external IP encapsulator)
- . The UDbox supports integrated DVB receivers (satellite or terrestrial free-to-air) and any type of return link access technology (PSTN, ISDN, GPRS, DSL,WiFi, DVB-RCS, Inmarsat)

+ Hardware package as option
- . The UDstation and UDbox software packages can be integrated into any PC based hardware
- . High quality hardware can be provided as a complete solution:
    - high capacity high speed UDstation at hub
    - flexible and powerful UDbox for versatile reception configurations

03 ◇ Usage

The **UDstation** and **UDbox** packages can be used for a wide range of services and revenue models. This unique flexibility helps customers to start with plug-and-play infrastructure components, which become transparent extensions of the terrestrial IP network.

+ ISP
- . A whole new category of customers can be reached, allowing ISP customers to freely choose their forward and return physical network connection types
- . Access service differentiation by offering retail and corporate customers a platform that delivers a seamless bouquet of network functionalities, to be exploited by any IP application

+ Service Provider
- . Previously uneconomic multi-media interactive applications can be deployed by exploiting broadcast link efficiencies - video distribution, e-learning and video conferencing
- . Thanks to the standards based packages, the Service Provider can be hardware agnostic

+ Corporate/Integrator
- . International corporations have at their disposal a simple approach to apply an overlay multicast network, which is fully compatible with the terrestrial WAN
- . Critical business applications such as database updates, product training, and responsive security updates can be deployed on an international basis, delivering an attractive ROI

◇ contacts ◇

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