INTEVI
INTELLIGENT VIDEO SOLUTIONS

IDT
Intevi Digital Television

IDT Product Brochure

The convergence of IPTV and Digital Signage...
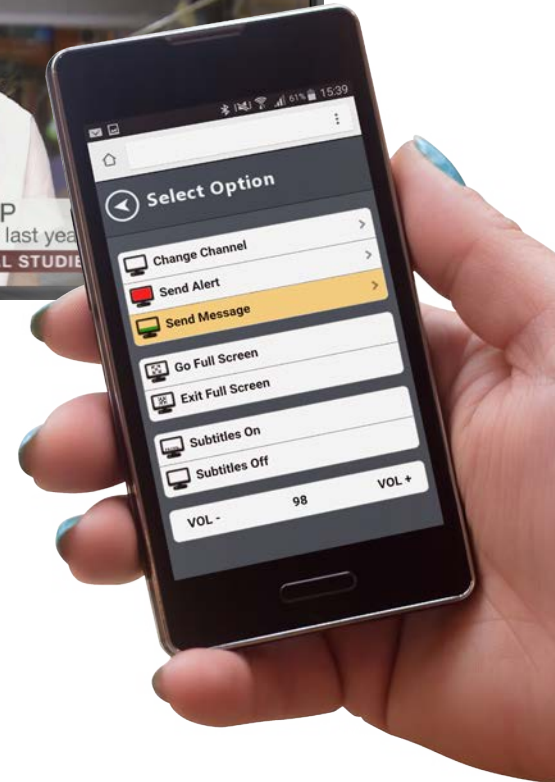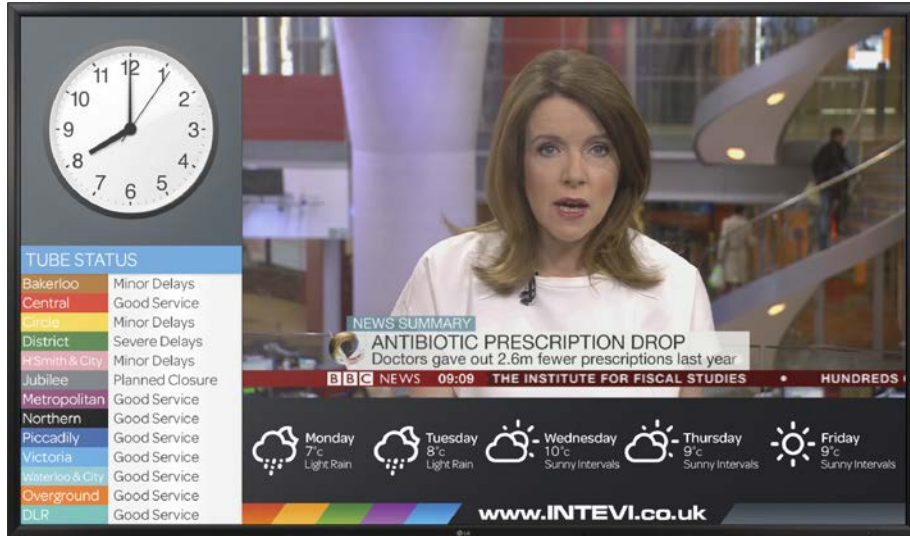
DIGITAL TELEVISION RANGE

Overview

The Intevi IDT range is a feature rich hardware & software solution for the delivery of digital video streams and managed content over an IP network to TV Displays and PCs. The Digital Television Range is designed to be a simple to use, yet fully functional solution, with features that will help your organisation manage and distribute a range of media sources.

IPTV Systems have a number of benefits over traditional TV delivery systems including: ease of setup/operation, usage of existing infastructure and when required, displays can be added to allow for a fully scalable system that grows with your business needs. The modular head end supports both terrestrial and satellite feeds with support for DVB T / T2 / S / S2 / C / QAM and ATSC. Encoded feeds such as Sky boxes, cameras or DVD Players in SD or full HD can also be handled by the system.

The multi user web based central management system allows for total control and through the portal, users can easily configure and manage all the hardware through a single interface. Templates can be applied to brand the TV channels and the messages or alerts can be sent to individual groups or all screens.

Set top boxes are managed in groups, enabling unique channel line ups, templates and defaults to be set and controlled centrally. A mobile application extends this simple control to your handheld device.

Flexible ✔   Scalable ✔   Intuitive ✔   Feature rich ✔

Each display device in the Intevi IDT system can be uniquely controlled and system actions can be applied across a group of screens. Branded templates can be displayed in two modes with full or minimal branding. The system operator can centrally control channel selection, apply different templates or send full screen alerts or display on screen messages on individual, groups or all screens.

A full system API is available to enable external control of any of the system actions.

THE IDT SOLUTION FAMILY

DVB Enterprise Gateway

Managed by the central controller, the Enterprise gateway can provide capability for up to four quad DVB tuner cards in a single rack mount chassis. This provides independent management of up to sixteen different multiplexes.

Standalone DVB Gateway

The IDT stand alone appliance is housed in an industrial enclosure and can decode either DVBT/T2 or S/S2 signals and broadcast a complete multiplex as independent IP multicast channels. All controlled and tuned through the Central Management Controller (CMC).

SD, HD & HD-SDI Encoders

Each of the stand alone encoders are housed in a industrial enclosure for simple installation and setup. A range of input options are available depending on the incoming source. Configurations include - SD/CVBS, HD/HDMI w/audio and HD-SDI with various adjustable settings to best suit the installation (resolution, bit rate, frame rate, bandwidth etc). The incoming source is converted to a single multicast IP which is broadcast on the multicast network and managed by the central management controller.

Central Management Controller (CMC)

The brain of the entire IDT solution and deals with the setup, configuration, management and control. The multi user, intuitive web based interface is used to configure all headend incoming devices, set top boxes and day to day operation. The system operator can also control channels, messages and alerts on the go through the mobile app.

Set Top Box Receiver

The professional set top box receiver converts the incoming IP multicast streams back to traditional video output for high definition digital viewing on any HDMI large format display. The IDT intelligent software engine allows graphical information and live widgets to be overlaid on top of the live TV content. Local control is also fully supported through the included IR remote.

I-View

The IDT desktop viewing software allows any PC or Laptop on the IP network to watch all or a selection of the channels being broadcast by the headend equipment. The IDT I-View is ideal for personalised viewing and company broadcasts.
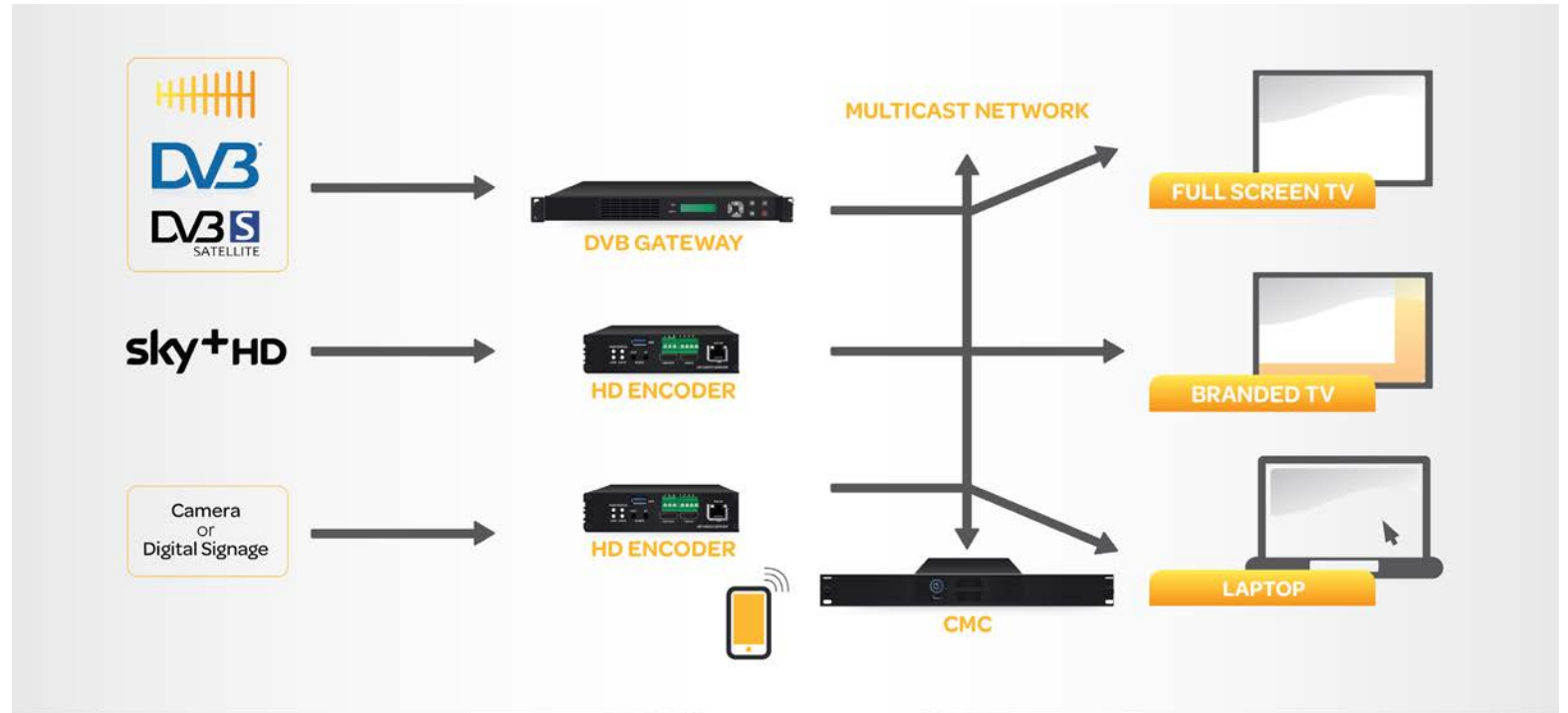
SYSTEM LAYOUT

The IDT solution allows for a modular head end design, incorporating an unlimited number of input feeds from off air TV, live feeds, external devices such as Sky TV, Blu Ray, Cameras and more.

Each feed is streamed across the network as multicast traffic to the set top box receiver. This is where it can be incorporated with digital signage content such as logos, branding, ticker tape, active widgets and more.

The full system is configured and managed through the central management controller or the mobile application.
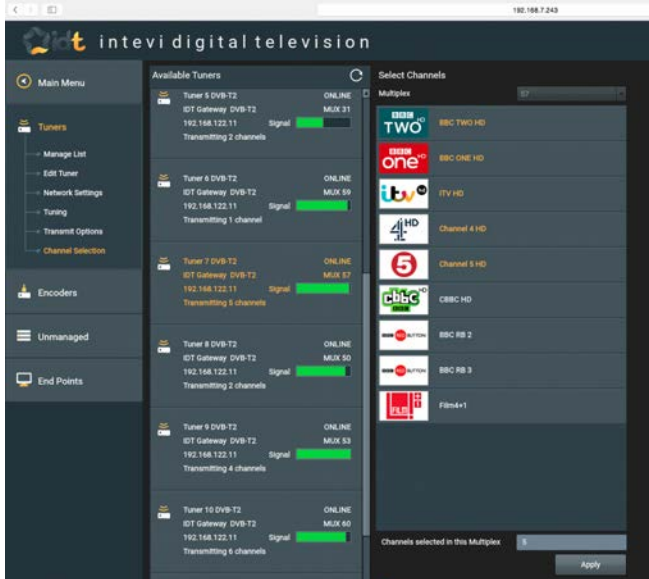
CENTRAL MANAGEMENT CONTROL

DEVICES

The IDT central management controller provides all of the control through an intuitive, multi user web interface. The server enables the configuration and management of all incoming streams creating a master channel list. The set top boxes can then be configured on an individual or group basis to receive any, or all channels from the master list.

MANAGEMENT

Every day operation can be done through the CMC software or through the mobile application , tasks include – channel control, screen control, messaging, alerts, digital signage and more. A full system API is available to enable external control of any of the system actions.
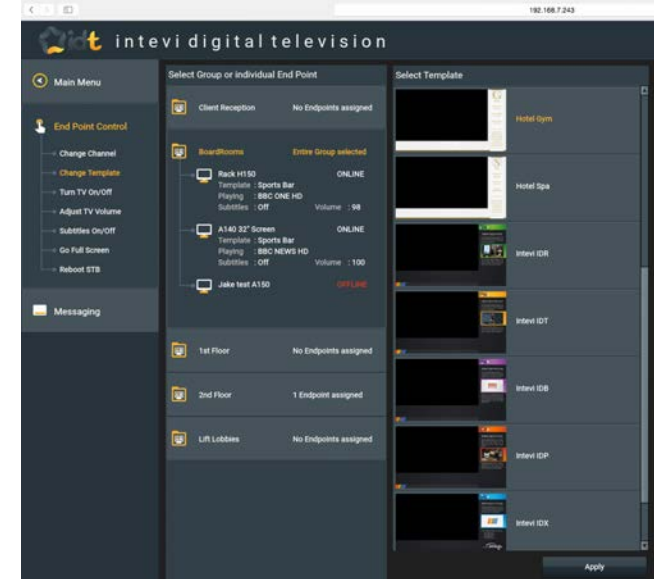
CONTROL

The IDT's unique templating system also allows a non technical user to uniquely brand the IPTV streams to send messages or alerts to either an individual display or group of displays. Messages and alerts can be sent to the receiver via the central management controller, mobile application or 3rd party control systems/triggers.

Assign Channels/Groups

Total Control

Templates/Messaging

Messages

Post custom messages over your live TV or template.

Alerts

Trigger instant alerts for important information.

Branding & Template

Enrich your Live TV feed with branding or a wrapped template.

Active Widgets

HTML integration for live feeds such as news, weather, RSS and more.

Programme Guide

Browse and change channels easily.

Image Playlist

Insert a playlist of images into your template.

Central Videos

By combining with IDP you can display pre-made video content.

Scheduling

Scheduling engine to control power on/off, channel broadcast, messages and more.

Mobile Control

Control your entire IDT solution from a mobile or tablet.

Social Media

Embed your favourite social media feeds into your IDT system.

Alerts

Branded Templates

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Get In Touch

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