

IPTV



What is IPTV?

"Broadcast TV over an Ethernet Network"

Internet Protocol Television or IPTV as it is more commonly known provides television content over a data network to multiple apartments.

Unlike conventional systems, DigiMark's simple, cost effective IPTV distribution system provides high quality, full screen digital TV over an Ethernet network using Internet Protocol (IP). Both digital satellite and terrestrial channels can now be broadcast directly to a PC, or using an IP set top box, to a TV anywhere in an apartment or house.

Features such as subtitling, programme and event guide, mute, colour/contrast control, aspect ratio and different screen sizes, are all included as standard. For PCs, options to run in standalone, or embedded within a standard web page are available.



Why IPTV?

Any Architects and Developers looking to offer a 'Digital Lifestyle' to their prospective buyers should consider IPTV as the core component of their designs. By using DigiMark's IPTV system the content is delivered direct to each users own TV (via an IP- Set Top Box), or PC allowing them access to the full range of terrestrial and satellite channels, and recorded content; in addition to providing the primary 'portal' to the digital lifestyle services. In public or communal areas, we can offer a digital signage option, providing TV/Video and communal information to Large Screen TVs or PCs.

DigiMark's IPTV solution provides augmented services to an existing Ethernet network without the disruption of installing new cabling or hardware for each user. To minimise support requirements, the PC client is designed to be loaded as part of a customised web page providing a simple, flexible TV solution for the PC environment.

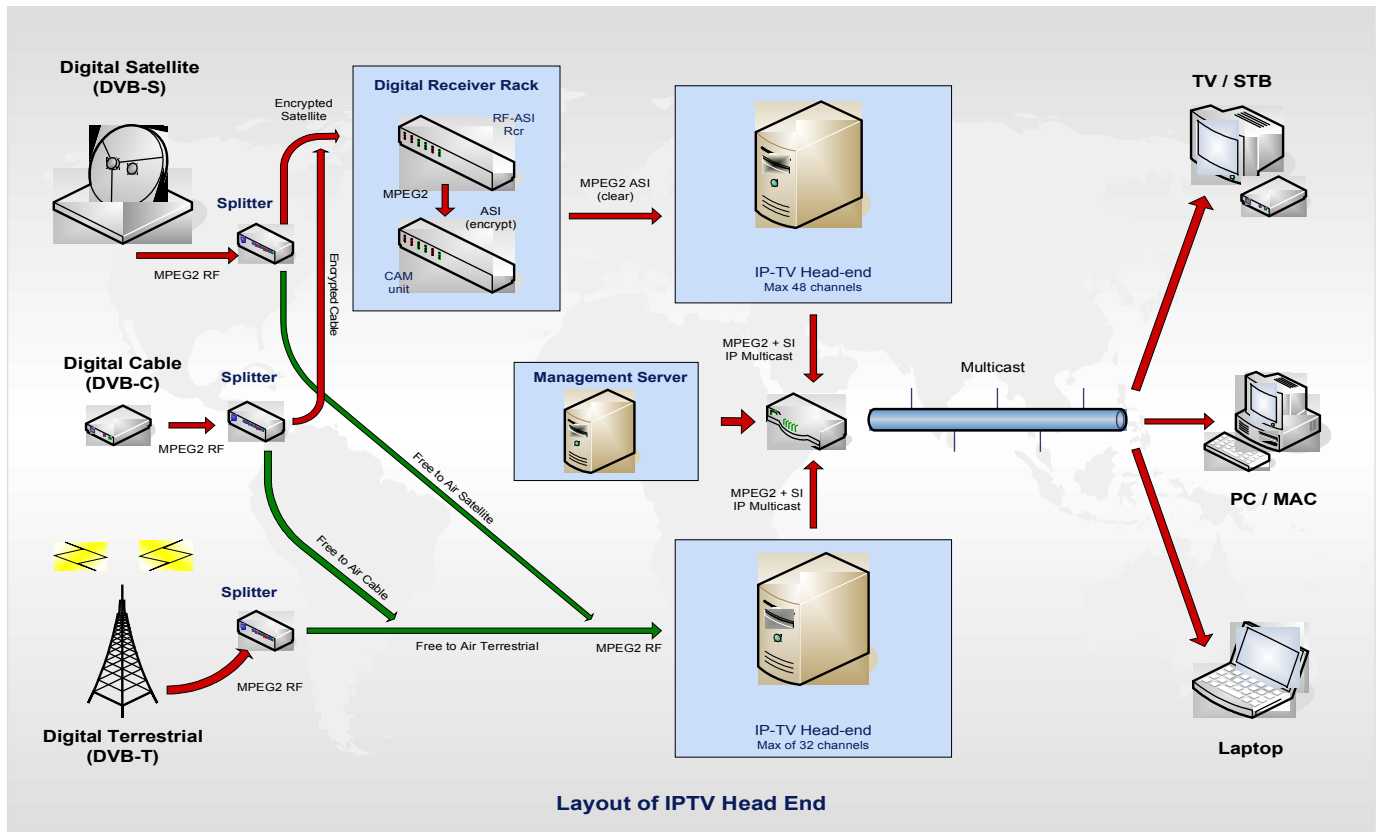
Broadcast quality live Digital TV content (satellite/terrestrial) in HD or SD is delivered to a PC or TV providing a bespoke channel line-up in accordance with a customer's requirements. Support for recording live content onto DigiMark's network attached Personal Video Recorder server (nPVR) is also available as an additional feature, enabling users to record and playback particular programmes at a time convenient to them.



The Benefits of IPTV

- ▶ TV delivered direct to a PC and/or TV
- ▶ Runs in a minimised window
- ▶ Access to 'Digital TV' Features
- ▶ Electronic Programme Guide
- ▶ Single network infrastructure
- ▶ Access to stored video & audio content

"Media with a twist....."



Layout of IPTV Head End

DigiMark IPTV System Specification	
Physical Inputs	4 x RF, 8 X ASI, Analogue Video, Analogue Audio
Physical Outputs	100/1000 Mbps Ethernet Multicast/Unicast
Input Signals	DVB-S, DVB-T, DVB-C
Output Signals	MPEG2 SPTS* Audio & Video
Supported Features	Subtitling, languages, Teletext, Conditional Access DVB System Information, DVB Programme Service Information
Protocols	UDP, Multicast, HTTP
O/S	Linux Red Hat 8.0
Encryption	Decodes Cryptoworks, Nagravision, Irdeto, ViaAccess**
Management	Web Interface supporting: Secure Log On Configuration & Administration System Performance System Diagnostics
Integrated STB	DigiMark SoftSTB for PC / Mac*** Oregon IP-STB Oregon iDVD Kreatel IP-STB

* Single Programme Transport Stream (SPTS), ** Contact DigiMark for latest list. *** See Min requirement

PC System Requirements:

Minimum: 1.4Ghz processor, Win 2000/XP, 256MB memory, 3D Graphics Adapter, 100Mbps Ethernet port, Speakers

Recommended: 2Ghz processor, Windows 2000/XP, 512MB memory, 100Mbps Ethernet port, 3D graphics accelerator, speakers



Full Screen TV on a PC

Other DigiMark Products:



**Video On Demand/nPVR
High Speed Data Access**



**Voice Over IP
Service Provisioning Engine**

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