

Subscription TV content on all of your
devices

VIDI  PATH

VIDI[®]PATH Contributors

Development led by service providers in conjunction with CE manufacturers and technology suppliers.



Subscription TV Today

Service Providers



Conditional
Access



Service Provider Devices
One STB per TV



Retail Devices
with Subscription TV



Retail Devices without
Subscription TV

Subscription TV with **VIDI-PATH**

Service Providers



Service Provider
Gateway



The full subscription TV experience on
consumer electronics

VIDI-*PATH* Specification Features

- HTML5 RUI
 - Includes support for TV Services (EAS, CC, SAP, DVS, etc.)
- DTCP-IP Link Protection
- Diagnostics
- Networked Devices Power Save
- MPEG-2 and AVC Video in MPEG-2 TS and MP4 containers
- HTTP Adaptive Delivery (MPEG-DASH)
- Authentication of Certification (using DTCP-IP keys)

VIDI-PATH

Consumer Benefits

Allows consumers to access the full range of service provider content on multiple devices in the home.

VidiPath devices have low power capabilities built in, reducing consumer's energy consumption.

Eliminates the hassle of additional boxes, cords, remotes and other service provider specific devices.

VidiPath clients will work with the billions of DLNA Certified devices on the market today.



Enables a consistent service provider user interface across devices.

The VidiPath logo helps consumers purchase devices that access service provider content

Preserves content provider rights through protected streaming using DTCP-IP and Authentication.

VidiPath logo gives service providers a way to communicate which devices can access full subscription TV content.



Reduces service provider capital expenditure by enabling the move to headless gateways and reducing the number of set top boxes in the home.

Service Provider Benefits



Remote diagnostics allows service providers to optimize user experience.



Enables a consistent service provider user interface across devices.



Allows SPs to build a single UI which eliminates the need to manage multiple unique applications for devices (i.e., TV, tablet, phone, PC, etc.).

Gives CE devices access to the full range of subscriber HD programs, movies, DVR content, channel guides, and other premium features.

VIDI[™]PATH

CE Manufacturer Benefits

VidiPath logo provides CE manufacturers a way to differentiate their products.

Utilize DLNA's formal test suite and certification program to ensure interoperability amongst devices.



Having a common profile minimizes the need to support individual service provider applications.

Leverages existing DLNA implementations with minimal enhancements.

The VidiPath Opportunity is Now

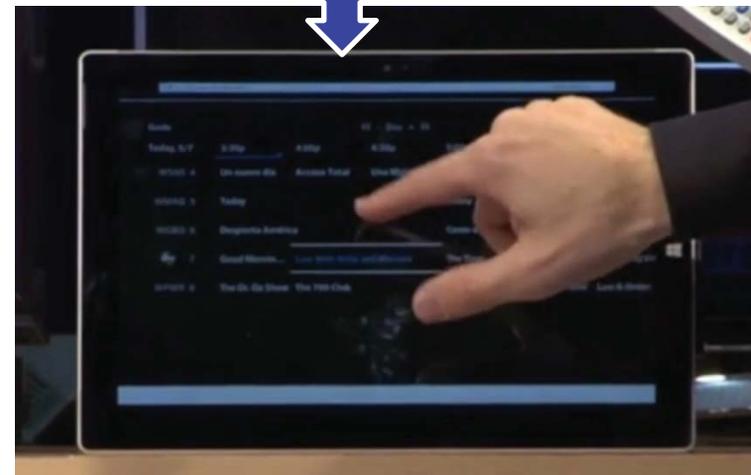
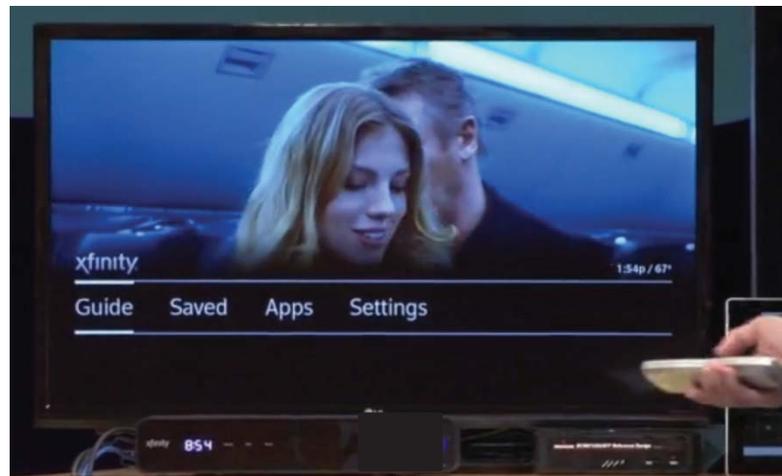


Samsung VidiPath Client

Xfinity VidiPath Service on X1 Platform

Broadcom VidiPath Client

Tablet VidiPath Client



Xfinity VidiPath Service for the X1 Platform running on Comcast production plant displayed on Samsung TV, Broadcom STB and Awox reference tablet.



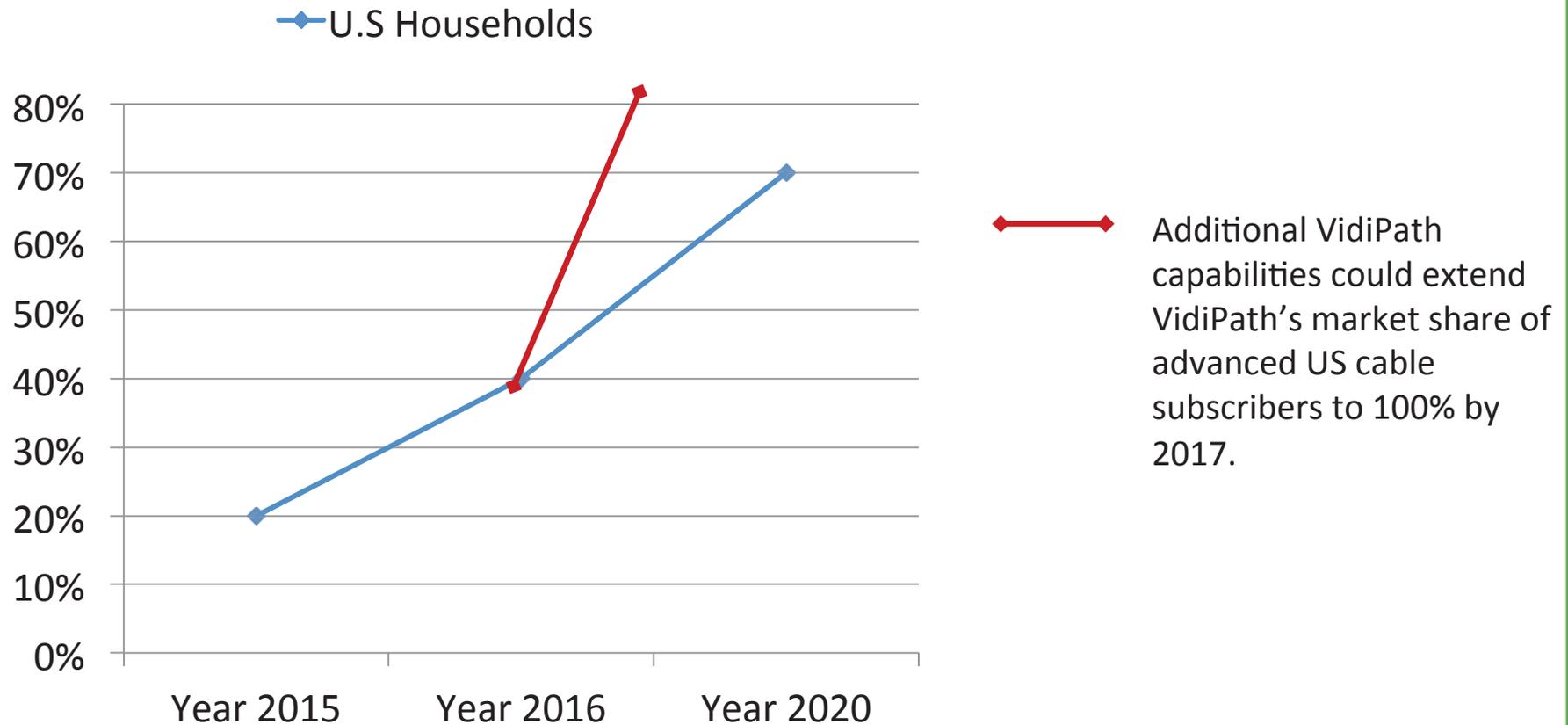
<https://vimeo.com/127842081>

The VidiPath Opportunity is Now



At INTX, Unbeknownst to anyone, the Emergency Alert System (EAS) was undergoing live monthly testing on Tuesday morning. When the alerts went off, they were displayed on top of all VidiPath demo screens, whether the screens were showing content or a guide.

ABI Forecast for U.S. cable households that subscribe to advanced services



For more information from the ABI report, including financial analysis for Operators please visit:

<http://www.dlna.org/dlna-for-industry/newsroom/cvp-2-webinar-series>

VIDI Certification is Open

- Approximately 20 members are preparing for certification and service providers services are expected to launch this quarter.
- Providers publically support VidiPath: Comcast, Time Warner, Cox
- Program draws on expertise from more than a decade of proven interoperability testing on 25,000+ device models, enabling more than 3 billion devices to share personal content
- DLNA addresses many different industry standards for streaming, including SCTE, CEA, SMPTE, DECE and ATSC. Current technical work with industry partners is focused on developing standard based solution for streaming 4K/Ultra-HD TV profiles that will be included in the DLNA guidelines by Q2 2015, enabling users to view content on multiple devices in the home with at least four times the resolution of today's typical full HD 1080p formats.
- Reference designs are available to speed time to market for Certified products.
- Test tools also available to Members for product development to streamline troubleshooting
- Products can be submitted to any of five Test Labs (ICVs) worldwide.

ABOUT DLNA

DLNA Leadership



- Consumer Electronics
- Mobile Devices
- Personal Computers
- Service Providers
- Automotive
- Semiconductor

Over 25,000 Certified Device Models



13,020
Televisions



1,701
Mobile Devices



178
Tablets



17
Software



6,917
Personal
Computers



500
Network
Attached Storage



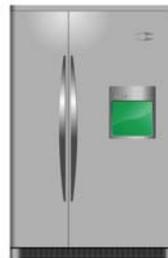
319
Gateway
/Routers



4
Game
Consoles



1,424
Blu-ray & DVD Players



31
Appliances



71
Printers



194
Cameras
/Camcorders



894
Audio Video System &
Network Speakers



131
Set Top Boxes



40
Projectors

Over 4 Billion Certified Devices on the Market



2018	7.32 Billion
2017	6.08 Billion
2016	4.92 Billion
2015	3.86 Billion
2014	2.93 Billion
2013	2.16 Billion

Stay Connected with DLNA

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www.dlna.org/products or via mobile application stores



VidiPath™ Certification Overview

For FCC DSTAC WG-4 Meeting

By Amol Bhagwat, CableLabs
June 19, 2015

DLNA VidiPath Certification

- **DLNA certifies** devices submitted to DLNA approved ICVs
 - 6 all over the world
- Only DLNA Certified devices are allowed to use **VIDI PATH** logo
- A flag in the DTCP CVP-2 Certificate indicates that the device is VidiPath Certified & is used for device authentication
 - Same DTCP certificate is used for device authentication and link protection
- Enables service providers to electronically validate DLNA VidiPath certification and offer content to VidiPath devices
 - Avoids maintaining white list of supported devices