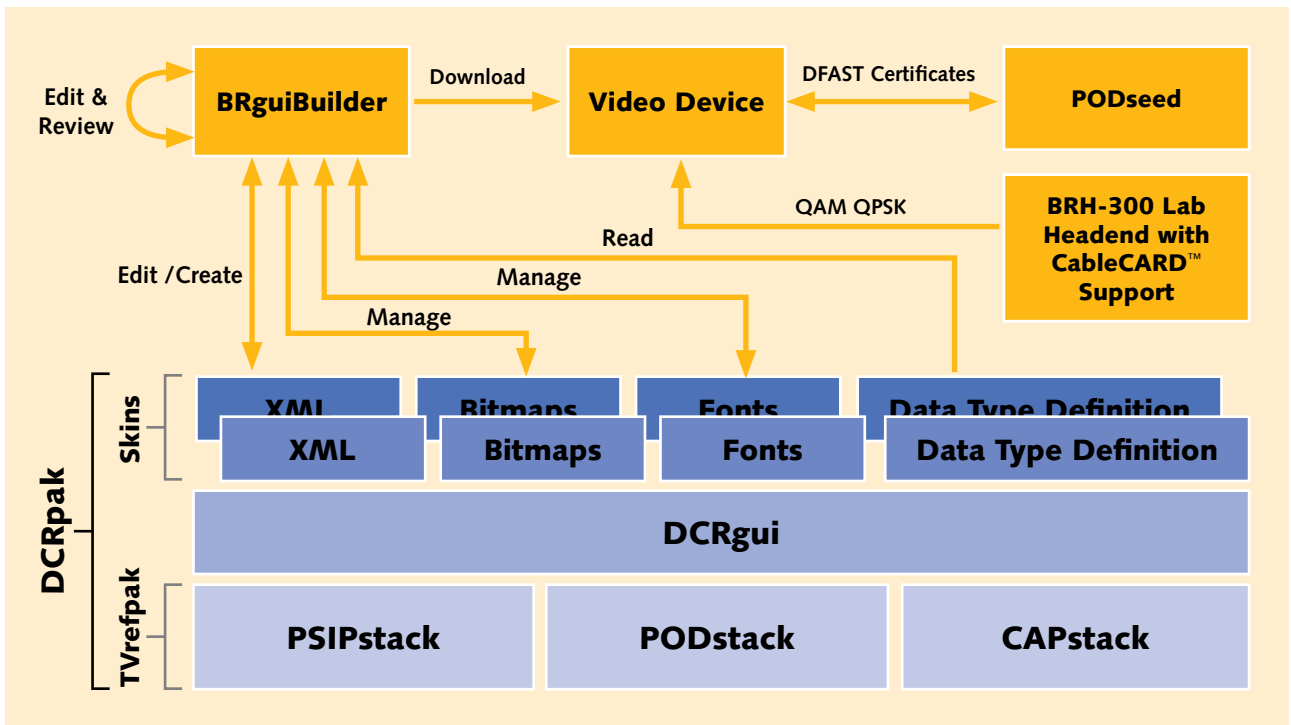


DCRpak

Digital Cable Ready TV Software

TECHNOLOGY

DCRpak is a new product from BitRouter which provides all the protocol stacks, UI authoring environment and test headend required to develop a Digital Cable Ready TV receiver. At a high level the TV development and test environment offered by BitRouter looks as below:



PSIPstack

BitRouter's implementation of the ATSC T3S8 A/65B PSIP (Program and System Information Protocol for Terrestrial Broadcast and Cable, Rev. B) and ANSI/SCTE 65 2002 (formerly DVS 234, Service Information Delivered Out-of-Band for Digital Cable Television) protocols. It includes support for the optional ATSC Directed Channel Change table and full support for processing of SCTE 18 2002 (formerly DVS 208, Emergency Alert Message for Cable, approved as a joint standard with CEA as ANSI-J-STD-042-2002). Over fifty API calls are provided to support frequency scan, channel navigation, retrieval of EPG information and retrieval of private data. PSIPstack supports both analog and digital tuners and stores both analog and digital channels in its channel map. More details on PSIPstack can be found in the PSIPstack data sheet located at www.bitrouter.com/products/psipstack.htm. (Continue on next page)

PODstack

PODstack implements the CableCARD™ interface mandated by the FCC for digital televisions as specified by ANSI/SCTE 28 2004 and SCTE 41 2004. OEM specific functionality is isolated in a CableCARD™ Interface API for easy adaptability to individual models. The implementation is provided with a unique CableCARD™ software simulator. We plan to enhance PODstack with M-CARD support and develop DCAS™ support based upon industry developments in the near future. More details on PODstack can be found in the PODstack data sheet located at www.bitrouter.com/products/podstack.htm.

CAPstack

CAPstack implements the digital TV closed captioning standard specified by EIA-708-B and CEA-608-B as mandated by the FCC order number "FCC 00-259." It is a complete implementation of the standard. The implementation provides a font engine interface to allow any commercial font engine to be used. An API is provided to allow applications to change font and display settings as per the FCC mandate. More details on CAPstack can be found in the CAPstack data sheet located at www.bitrouter.com/products/capstack.htm.

TVrefpak

TVrefpak is the combination of PSIPstack, PODstack and CAPstack. TVrefpak has been BitRouter's flagship product for the past few years. The DCRpak environment, to be presented at CableNET '06 represents a major increase in functionality offered by BitRouter towards a complete TV software development solution. More details on TVrefpak can be found at www.bitrouter.com/products/tvrefpak.htm.

DCRgui

Digital Cable Ready TV GUI is based on pre-defined state machines which implement the core of a complete DCR TV UI. This core can be skinned using XML and bitmaps. A few sample skins are included with DCRgui. More details on the core GUI technology can be found at www.bitrouter.com/products/cbgui.htm.

BRguiBuilder

BRguiBuilder is a WYSIWYG authoring tool for BitRouter's UI environment. BRguiBuilder is a PC based tool which allows the user to create, modify and simulate user interfaces for video devices in a WYSIWYG PC environment. It also allows the user to download the GUI to a video device, test it and create a final deployment image for a TV device. BRguiBuilder is under development and will not be shown at CableNET®.

BRH-300

The BRH-300 is a standalone, rack mounted, digital cable television headend system suitable for use in laboratories and tradeshow. The BRH-300 can serve clear and scrambled QAM streams for testing and demonstrating uni-directional digital cable products (UDCP) which are digital cable ready (DCR). We plan™ to enhance the BRH-300 with support for bi-directional & M-CARD CableCARD™ and add support for DCAS. More information about the BRH-300 can be found at www.bitrouter.com/products/brh-300.htm.

PODseed

PODseed is a manufacturing solution which allows DFAST certificates to be securely embedded in DCR TV receivers after they have been manufactured. It supports audits and secure reporting of DFAST royalties to CableLabs®. We will not be demonstrating PODseed at CableNET®.