Broadcast Media Server™

The Plain Digital Broadcast Media Server (BMS) is a low-cost, Linux-based Video Server. Depending on the configuration, the BMS can support dual Transport Stream output (PVR Mode) or dual-antenna single transport stream output (Diversity mode). Diversity mode is advantageous in areas where TV signal strength is not optimal.

The BMS can be configured to support the Digital TV standard of your choice: DVB-T/H/SH/S2,T2,C, ISDB-T, ATSC, ATSC M/H, DTMB, CMMB as well as future standards. With two tuners on board, you can watch and record simultaneously.
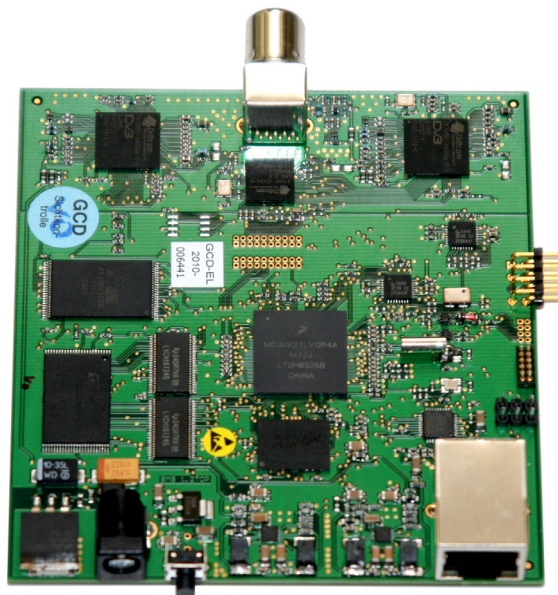
Applications

Home Video Gateway
The BMS is ideal as a home video gateway; simply place the BMS near your antenna(s), connect to your router (wireless/wired) and you can distribute video throughout your home to any computer or wireless device on the network.

Transportation Systems
The BMS can be integrated into Trains, Buses, Trams, etc. for video distribution to screens throughout any carriage. It functions as a single point of entry for video reception while supporting multiple screens.

Hotel Video Distribution Systems
The BMS can be used to distribute video throughout Hotels and other hospitality venues. The BMS can be daisy-chained to provide additional video outputs.

Supported Modes

Standard Mode	DVB-T	DVB-H	DVB-SH	DVB-S2	DVB-C	DVB-T2	ISDB-T	ATSC	CMMB
Diversity	X	X	X				X		X
PVR	X	X	X	X	X	X	X	X	X

Product Specification

Single or Dual Tuner Digital TV Front-End to IP LAN Video Server
Multi-Standard Digital TV Standard Support (DVB, ISDB-T, DTMB, CMMB, ATSC)
PVR and/or Diversity Modes
Support for System Software Upgrade

Factory reset

Hardware

Interfaces
USB 2.0
RJ-45 10/100 BaseT LAN
Hard Disk
SD Card

Processor
CPU :ARM926EJ-S 400MHz
CPU: VIVT data cache, VIVT instruction cache

Memory
64MByte DDRAM 160MHz
4MByte NOR protected /Uboot
64MByte NAND / Jffs2 filesystem

Power Consumption
5V, max 500mA

Software

Web Server
HTTP Video Streamer
Support for Bonjour
U-Boot 2.0.0-rc9 as BIOS
Linux version 2.6.29 Linux version 2.6.29 (gcc version 4.3.2 (OSELAS.Toolchain-1.99.3))
Memory: 61992KB available (2572K code, 228K data, 80K init)
Calibrating delay loop... 199.06 BogoMIPS

For additional information, please contact Plain Digital
Stebener Weg 13, 95119 Naila, Germany
Tel. +49 (0) 9282 962748
Tel. +49 (0) 175 523 0634
E-mail: info@plaindigital.com
Web: www.plaindigital.com