VBrick Enterprise Media System

VBrick Systems
H.264/MPEG-2 Set Top Box

AmiNET130 v1.2.3 Set Top Box
Release Notes

VBrick

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About VBrick Systems

Founded in 1997, VBrick Systems, an ISO 9001 certified vendor, is a privately held company that has enjoyed rapid growth by helping our customers successfully introduce mission critical video applications across their enterprise networks. Since our founding, VBrick has been setting the standard for quality, performance and innovation in the delivery of live and stored video over IP networks—LANs, WANs and the Internet. With thousands of video appliances installed world-wide, VBrick is the recognized leader in reliable, high-performance, easy-to-use networked video solutions.

VBrick is an active participant in the development of industry standards and continues to play an influential role in the Internet Streaming Media Alliance (ISMA), the MPEG Industry Forum, and Internet2. In 1998 VBrick invented and shipped the world's first MPEG Video Network Appliance designed to provide affordable DVD-quality video across the network. Since then, VBrick's video solutions have grown to include Video on Demand, Management, Security and Access Control, Scheduling, and Rich Media Integration. VBrick solutions are successfully supporting a broad variety of applications including distance learning and training, conferencing and remote office communications, security, process monitoring, traffic monitoring, business and news feeds to the desktop, webcasting, corporate communications, collaboration, command and control, and telemedicine. VBrick serves customers in education, government, healthcare, and financial services markets among others.

AmiNET130 v1.2.3 Release Notes

This document describes the current release of the AmiNET130 set top box. This set top box plays H.264 and MPEG-2 streams only. Any information contained in this document should be regarded as VBrick Systems customer confidential and should not be reproduced nor distributed to non-VBrick Systems customers.

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Installation

Detailed installation instructions are available in the *AmiNET130 H.264/MPEG-2 Set Top Box Quick Start Guide*. Please refer to this document for instructions on how to connect the hardware and configure the software.

What's New in 1.2.3

- Support for management SAPs for VEMS
- Support for serial shell passthrough
- Support for web browsing

Caveats

This section addresses known issues in this release, most of which have an easy workaround. For more information about any item, or help with an issue not listed here, contact your reseller or VBrick Support Services.

- Do not add, delete, or rename any of the files on this set top box. Any of these actions can make the set top box inoperable.
- VOD-W files with the string "rtsp" in the file name will not play on AmiNET130 set top boxes. To work around this issue remove "rtsp" from the file name before ingesting or adding the file.
- In VEMS 5.x, the VOD-W server does not support HTTP Tunneling for H.264 streams from an AmiNET 130 set top box.
- UDP packet sizes should be between 1024 and 1480. Exactly 7 transport packets can be contained in a packet size of 1316.
- Video output interlaced at 480i has a quality issue. Use 480p or higher for better quality video.
- On the H.264 encoder, a frame rate lower than 1 fps may cause the AmiNET 130 stream to freeze. If using the **Security & Surveillance** template, load the template and change the **Target Frame Rate** to 2 fps or higher.
- When configuring the browser home page, take extra care to point to a valid URL. It may be difficult to recover from an invalid URL.

- Resolutions lower than 720x480 will exhibit some jitter—the lower the resolution the more jitter.
- When changing channels in full screen mode, the title display disappears quickly

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