

XStreamHD™

HD MEDIA SERVER

- **Patent-Pending Satellite Technology**

Receives multiple simultaneous streams of HD entertainment at rates up to 180Mbps

- **Pre-Fetched Entertainment**

Instant access to Full HD entertainment

- **HD Movies, Music, Electronic Games, and More**

Stores and distributes entertainment to network clients

- **Network Video Recorder (NVR) - 3 HDTV Tuners**

Multi-room access to live and recorded off-air HDTV

- **Scalable Internal Storage - up to 4TB**

User upgradable with dual drive bays

- **XStreamHD Calling**

Free in-network calling and business-class phone features

- **DLNA Certified™**

Plug and play connectivity and interoperability



Overview

The HD Media Server receives content via satellite, internet, or HDTV, and distributes it to multiple network clients, including XStreamHD Media Receivers. The XStreamHD whole-home entertainment solution delivers unmatched quality, convenience, and value.

Multi-Room Full HD

The XStreamHD Media Server simultaneously delivers multiple streams of Full HD (1080p) video with up to 7.1 channels of lossless DTS-HD Master Audio™ throughout your home to any television equipped with an XStreamHD Media Receiver or DLNA Certified™ device, including HDTVs, Blu-ray players, game consoles, or personal computers.

Pre-Fetched Entertainment (PFE)

XStreamHD's patent-pending Pre-Fetched Entertainment (PFE) technology automatically delivers newly released HD movies, music and electronic games to your home based on your user preferences and advance selections. Enjoy immediate access to Full HD content without the wait times and hassles associated with in-store shopping, mail order programs, and slow internet downloads.

Network Video Recorder

The XStreamHD Media Server has a built-in Network Video Recorder (NVR) with three HDTV tuners to capture your favorite off-air HDTV programs from start-to-finish – regardless of schedule changes or programming delays – thanks to the unique patent-pending Adaptive Recording feature. Record and playback up to three off-air HDTV programs simultaneously at multiple viewing locations throughout the home.

Virtual Personal Library

All the movies, HDTV programs, photos, music, and electronic games that you want to keep for future use are stored on your XStreamHD Media Server and are available in your customized Virtual Personal Library.

Scalable Storage

The XStreamHD Media Server has two user-upgradeable drive bays to permit up to 4TB of scalable internal storage. Additional user storage can be accessed via the eSATA port.



XStreamHD Calling

Enjoy XStreamHD Calling with your HD Media Server - FREE calls between XStreamHD customers. Plus, enhanced phone features include multiple voicemail boxes accessed through your TV or computer, interactive voice response (IVR), and multiple phone extensions.



XSTREAMHD™

HD MEDIA SERVER SPECIFICATIONS

FEATURES

| | |
|---------------------|--|
| Satellite Transport | Receives multiple streams of HD entertainment at rates up to 180Mbps |
| PFE | Auto-delivery of HD entertainment based on user preferences and advance selections |
| Multi-room Access | Distributes multiple simultaneous Full HD streams |
| Telephone Calls | Free calling between XStreamHD customers |
| DLNA | DLNA Certified™ v1.5 media server |
| Network Clock | IEEE 1588 Precise Time Server |
| Mount Options | Horizontal shelf or rackmount |

NETWORK VIDEO RECORDER

| | |
|-------------|---|
| HDTV Tuners | Three off-air HDTV (ATSC) tuners |
| NVR | Network Video Recorder (NVR) centralizes management, storage and distribution of HDTV |
| Recording | Patent-pending Adaptive Recording dynamically adjusts program start and finish |

SCALABLE STORAGE

| | |
|--------------------|--|
| Internal Interface | Two SATA 2.0, 3 Gbps |
| Internal Storage | Two bays supporting up to 2TB HDD each |
| External Interface | eSATA, 3 Gbps, locking, shielded |

TELEPHONE / PBX

| | |
|---------------------|---|
| XStreamHD Calling | Free calling between XStreamHD customers |
| Features | Multiple voicemail boxes, voicemail forwarding via email, IVR, VoIP, SIP server, conference calling, music on hold, TV caller ID, extension dialing |
| VoIP Vocoder | G.711, G.729ab w/ VAD/CNG, G.726 |
| Echo Cancellation | G.168 up to 32ms |
| Handset Connections | External Analog Terminal Adaptor (ATA) enables VoIP calls from standard analog phones |

REAR PANEL

| | |
|-------------------------|---|
| Power | 4-pin rectangular, 12VDC@6.5A, + 12V@2.5A peak External AC adapter 80 - 240VAC; 50/60Hz, < 65W |
| HDTV Antenna Input | F-Type Female, 75Ω, UHF (off-air) |
| Satellite Antenna Input | F-Type Female, 75Ω, L-band RF |
| Storage | eSATA, 3 Gbps, locking, shielded |
| Network | Single RJ-45 Gigabit Ethernet (IEEE 802.3ab) |
| Telephony | RJ-11 supports one FXS line (analog phone) RJ-11 supports one FXO line (central office connection) |
| LED Indicators | Yellow/Green: Network status Blue: NVR recording |

DLNA

| | |
|------------------------------|--|
| Certification | DLNA Certified™ v1.5 media server |
| Multiple Client Connections | Supported |
| Electronic Game Distribution | Enabled to send electronic game data to DLNA client, i.e. Playstation 3 |
| Video Formats Supported | PS or TS: H.264 AVC MPEG4 HD, H.264 AVC MPEG4 SD, MPEG4 PS or TS: MPEG-1, MPEG-2 HD, MPEG-2 SD, MPEG2 TS |
| Audio Formats Supported | DTS-HD MA, DTS High Res, DTS Core, FLAC, AAC+, AAC-LC, LPCM, MP3, Dolby Digital (AC3), Dolby Digital Plus (EAC3) |

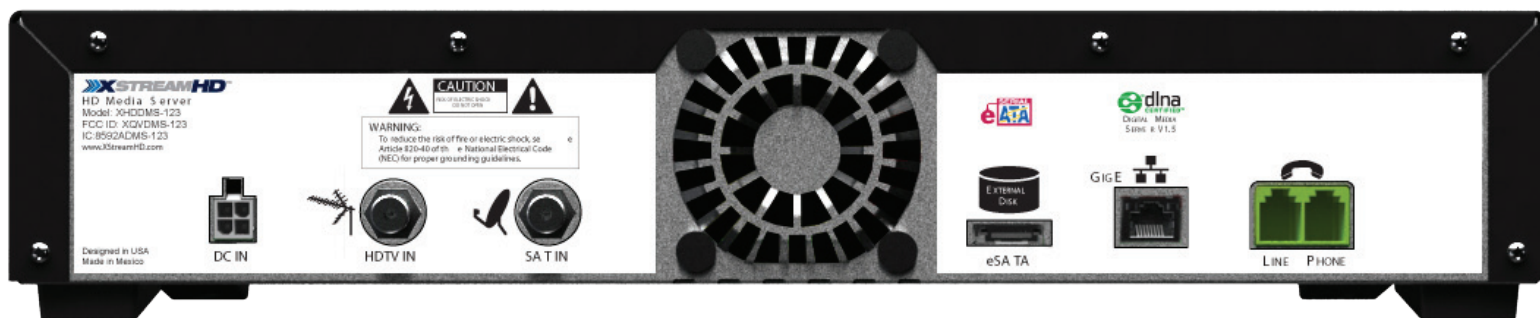
WEIGHT AND DIMENSIONS

| | |
|----------------------------|---|
| Chassis Dimensions (WxHxD) | 15.00" x 3.05" x 12.74" |
| Weight (Approx) | < 3lbs (single HDD); < 5 lbs (dual HDD) |

ENVIRONMENTAL (AMBIENT)

| | |
|-----------------------|--------------|
| Fan | 8dBA - 10CFM |
| Operating Temperature | 15° - 35° C |
| Operating Humidity | 10 - 80% |

XHD0001230090107 ©Copyright, XStreamHD, LLC, a wholly owned subsidiary of Wireless Ventures USA, Inc.



7900-B Westpark Dr. | Suite 200T | McLean, VA 22102 | 703.852.1300 Main | 703.852.1301 Fax

www.XStreamHD.com