HD Media Server

Description

The powerful *XStreamHD* Media Server is the centerpiece of the feature-rich *XStreamHD* home theater experience offering unprecedented quality, convenience, and value in a whole home solution. Employing proprietary, patent-pending technology, the compact wall-mounted server XStreams Full HD video and up to 7.1 channels of lossless audio through-out your home.

Virtual Personal Library

The HD Media Server is home to your Virtual Personal Library of HD content. The latest movie releases in Full HD are beamed to the Media Server via satellite over *XStreamHD*'s unique transport network. The HD Media Server then captures your pre-selected studio-master quality movies and stores them in your Virtual Personal Library. Learning your choices and preferences, the Media Server adopts your entertainment profile and continuously updates your Virtual Personal Library with newly available titles you are likely to enjoy.

Whole Home Network

Providing unmatched flexibility and value, the HD Media Server allows you to watch four different Full HD titles - at the same time - from anywhere in your *XStreamHD* home network. In addition, the HD Media Server is DLNA certified, adding value to your existing devices as it XStreams content from your Virtual Personal Library to networked TVs, audio receivers, game stations, and personal computers. Experience the unsurpassed convenience of the HD Media Server that allows you to store and share all of your digital content including movies, HDTV programs, music, photos, electronic games and more.

Network Video Recorder

The HD Media Server features a Network Video Recorder that stores all your favorite off-air HDTV programming in one centralized location for distribution throughout your *XStreamHD* home network. You can record up to three different HDTV programs simultaneously. It also features XStreamHD's patent pending Adaptive Recording which ensures programs are recorded from start to finish, even if programming schedules change or are delayed.

Scalable Storage

The HD Media Server features the easiest storage upgrades on the market; no technical expertise necessary. Simply slide an additional hard drive into one of the two available drive bays or connect via your eSATA interface to an external storage subsystem. The base model includes a huge 500GB drive and is user-expandable up to two terabytes of internal storage.

Business Class Personal PBX

The HD Media Server comes equipped with a Personal PBX: a business class phone system that enables individual extensions, voicemail, on-screen caller ID, and much more. It works seamlessly with your existing standard or VoIP telephony service. In addition, use your existing phone to call friends and family on the *XStreamHD* network for free!
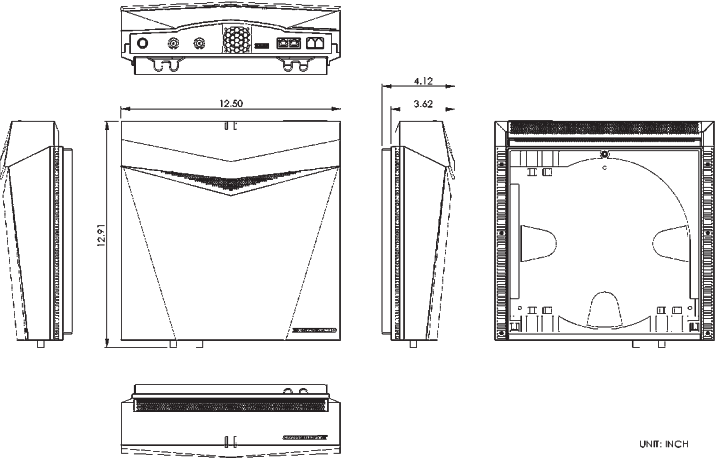
Key Features and Benefits

- Wall-mountable design allows for convenient and discrete installation.

- Stores and delivers Full HD 1080p video quality and up to 7.1 channels of lossless DTS Master Audio

- Adaptive Recording ensures accurate recording of HDTV programming

- NVR can simultaiously record up to 3 Broadcast HDTV programs

- Distributes four Full HD streams simultaneously throughout your home

- Heuristic software continuously delivers customized content

- Available with 500 GB, 1 TB, or 2 TB of easily expandable storage

- Digital Living Network Alliance (DLNA) v1.5 Certified Digital Media Server

- Includes Personal PBX business class phone system with individual extensions, voicemail and on-screen caller ID. Suitable for business or personal use.

- Remote access over the internet

»XSTREAMHD™

Revolutionizing the Delivery of Full HD to the Home

HD Media Server Specifications

Features		
	DLNA	Certified DLNA v1.5 Media Server
	Streaming	Up to 4 simultaneous HD streams
	Telephone Calls	Free calling between *XStreamHD* customers
	Mount Options	Vertical Wall Mount or Horizontal Shelf Mount

Network Video Recorder		
	Tuners	Three HDTV (ATSC) Off-Air UHF Tuners - Ch. 14 to 69
	DVR	Network Video Recorder (NVR) Centralizes Management and Storage of Content
	Recording	Patent Pending Adaptive Recording dynamically adjust program start & finish

Scalable Storage		
	Internal Interface	SATA 2.0, 3Gbps
	Drive Bays (Internal)	Two 3.5" HDD with Slide Rails
	Configuration	One 500GB, One 1TB, or Two 1TB Video Stream Drives
	External Interface	eSATA 2.0, 3Gbps, locking and shielded connector

Telephone/PBX		
		Voice mail, vMail forwarding via email, IVR, VoIP, SIP Server, Conference Calling, Music on Hold, On TV Caller ID, Extension Dialing to your office, Business Class PBX
	VoIP Vocoders	G.711, G.729ab w/VAD/CNG, G.726
	Echo Cancellation	G.168 up to 32ms
	ATA	Two Line Analog Terminal Adaptor (ATA) enable VoIP calls from standard phones

Video Formats		
		MPEG-2 HD High Profile/ High Level, H.264/AVC/MPEG-4 High Profile/Level 4, SMPTE 421M/VC-1 Advanced Profile/Level 3
	Picture Formats	JPEG, PNG, BMP, GIFF, TIFF
	Resolution	1080p, 1080i, 720p, 480p
	Bit Rate	Up to 80Mbps Constant or Variable
	Frame Rate	23.98, 24, 29.97, 30, 59.94, 60 fps

Audio Formats		
		DTS-HD Master Audio (up to 16Mbps), DTS 96kHz/24bit, DTS Core 48kHz, Dolby Digital Plus (EC3), Dolby Digital (AC3), AAC+ HE-AAC v2, LPCM, FLAC, MP3
	Channels	Stereo, 5.1, 7.1 channels
	Resolution	32-48kHz, 96kHz and 192kHz @ up to 24bits/channel

Rear Panel		
	Power	4-pin DIN, +5VDC @ 2.5A, +12VDC @ 3A
	HDTV Antenna Input	F Type Female, 75Ω, L-band RF
	Satellite Antenna Input	F Type Female, 75Ω, UHF (Off-Air)
	Storage	eSATA, 3Gbps, locking, shielded
	Network	Dual RJ-45 Gigabit Ethernet (IEEE 802.3ab), Ethernet over Powerline (optional)
	Telephony	RJ-14 Supports Two FXS Phone Lines
		RJ-11 Supports One FXO CO Line
	LED Indicators	Yellow/Green: Network, Red: Recording

Specifications		
	Chassis Dimensions (WxHxD)	12.5" x 12.5" x 4.125" (vertical orientation)
	Weight (Approx.)	< 3lbs (single HDD); < 5 lbs (dual HDD)
	Power	External AC Adapter 80-240VAC; 50/60Hz, < 50W

Environmental (Ambient)		
	Operating Temperature	15º - 35º C
	Operating Humidity	10 - 80 %