

SnaZio*

Dual Encoder IP Live Streaming Box



PRODUCT DATASHEET

Model: NV1510 A1
NV1510 A2
NV1510 A5
NV1510 A7

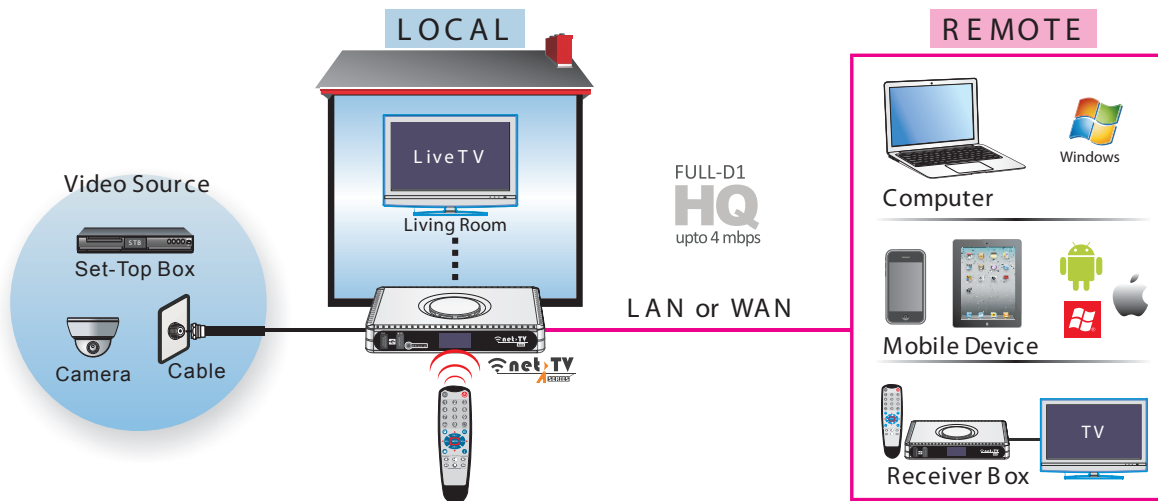
Date: 02 JULY 2012

What is net-TV A series

net-TV A series is a device that connects to your cable or satellite box and streams your TV shows and DVR content over the intranet or internet for you to watch and control anywhere you go. The product can be used by both local and remote users. It supports dual stream and can enable two users watch different programs at the same time.

Local user operate by the remote control, and can also use local functions such as real-time recording, recorded files playing, schedule recording setting and PIP besides watching TV programs.

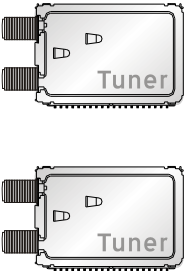
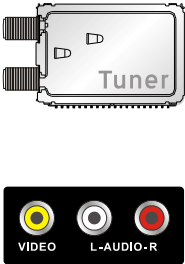

Remote users can use PC (supports Windows), mobile phone or tablet (supports iOS, Android and Windows Phone) or special Receiver Box to connect net-TV A series via network (LAN or WAN) to enjoy Live TV programs anywhere and anytime.



Member of net-TV A series

net-TV A series has three models: A2, A5 & A7. All of them can encode and decode dual stream, and can serve two users at the same time.

Their basic functions and using methods are almost the same. The only difference is that the video sources they support are different, as following:

A2 Video Source	A5 Video Source	A7 Video Source
		
2 x TV (Tuner)	1 x TV (Tuner), 1 x AV	1 x AV, 1 x CAM



If you don't need to use the CAM video source of A7, you can connect the CAM connector to video device such as DVD, DVR or STB and use it as an AV video source. That's to say A7 can support two AV sources.

Key Features and benefits

1

Dual Stream.

net-TV A series supports dual D1 (720x480) encoding and decoding, so it enables two users to watch different programs separately at the same time, and their video resolution can both achieve D1.



2

Less bandwidth and better quality

Using H.264 high performance encoder combined with adaptive bitrate streaming technique can auto detect bandwidth in real time and adjusting the quality of a video stream accordingly, the smooth video requires only 256K bandwidth.



3

net-TV mobile2 for popular mobile device.

net-TV mobile2 is an application dedicated to smart phone and tablet users. You can use this application to connect net-TV A series to enjoy programs. net-TV mobile2 supports Android, Windows Phone and iOS operating system.



4

Schedule recording.

Personal Video Recorder (PVR) allows you to record your favorite programs so that you can still go to your friend's house for dinner and not miss your favorite TV show. It supports both local and remote recording setting.



5

Easy of use and setup.

The special name server and UPnP protocol make an easy network connection. You can get rid of complex network configuring and just use it by Plug and Play.



6

A remote control you may recognize.

With supplied IR blaster and IR learning program, a programmable on-screen version of your home remotes displayed on your LCD, letting you surf local TV or toggle through your DVR recordings in a familiar manner. You can even add or remove buttons from this virtual remote to suit your needs.



7

Video-On-Demand.

Remote App can play the recorded files which saved in the USB storage that connected to net-TV A series online without download. Give you access to your favorite programs that you can watch - when you want to watch them.



8

Record and Pause Live TV.

Remote App can record the playing program at any time for watching later. Time-Shift function allows you to pay for the pizza and come back to the show where you left it or to skip ads easily.



9

WiFi wireless network connection.

Supports the USB WiFi wireless network connection. (The WiFi wireless network adapter is not supplied. If you want to use Wireless adapter go with net-TV A series, it has to use Ralink RT2571WF chipset.)



10

More local functions for your need.

Local user can watch TV programs directly, and can also use more local functions such as instant record, play recorded files, setup schedule record and system configuration, picture in picture (PIP).



System Requirements

There are two kinds of remote apps for net-TV A series, one for windows is named "net-TV 2012", the other for mobile device is named "net-TV mobile2".

net-TV mobile2 supports Android, iOS and Windows Phone three OS platforms.

net-TV 2012 for windows:

- ☐ CPU : Intel Pentium 4 1.5GHz or above
- ☐ RAM : 512MB or above
- ☐ Operating system : Windows XP, Vista, 7
- ☐ Hard disk : at least 100MB capacity or above
- ☐ Windows-compatible Graphics Card with DirectDraw Overlay Support
- ☐ Sound Card : PCI sound card or on-board audio
- ☐ Network : 10/100Mbps Ethernet LAN port connection ability

net-TV mobile2 for Android:

- ☐ An Android mobile phone or Tablet with 3G or 4G wireless service or Wi-Fi Internet connectivity
- ☐ Android 1.6 or later
- ☐ 5 MB free memory is required on the Android device to install the net-TV mobile2
- ☐ Network download speed of at least 256 Kbps (Your results may vary based on network conditions).

net-TV mobile2 for iOS:

- ☐ An iOS mobile phone or Tablet with 3G or 4G wireless service or Wi-Fi Internet connectivity
- ☐ iOS 3.x or later
- ☐ 5 MB free memory is required on the iOS device to install the net-TV mobile2
- ☐ Network download speed of at least 256 Kbps (Your results may vary based on network conditions).

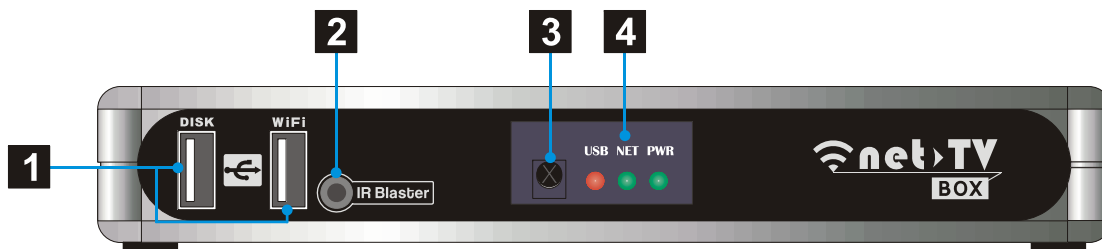
net-TV mobile2 for Windows Phone:

- ☐ An Windows Phone mobile phone or Tablet with 3G or 4G wireless service or Wi-Fi Internet connectivity
- ☐ Windows Phone 7.5 (Mango) or higher.
- ☐ 5 MB free memory is required on the Windows Phone device to install the net-TV mobile2
- ☐ Network download speed of at least 256 Kbps (Your results may vary based on network conditions).

net-TV A series (Local):

- ☐ Cable or DSL modem, Home network router (UPnP compatibility highly recommended)
- ☐ Cable TV source
- ☐ External connected video device such as DVD, DVR or STB
- ☐ 256 Kbps upstream network speed (higher upstream network speeds yield higher quality video)
- ☐ USB storage such as USB flash disk for recording (Must be FAT32 File system)

Guide to Parts and Control



Front Panel

1

USB Port:

DISK: Connect a USB storage device for record or playback.

WiFi: Connect a wireless USB adapter to access network (Only supports Ralink's 2571 chip.)

2

IR Blaster Port:

Connected with a supplied IR blaster cable, via the learning function of remote control, the box can emit IR signals to control DVD remotely.

3

Remote Sensor:

Point remote control here.

4

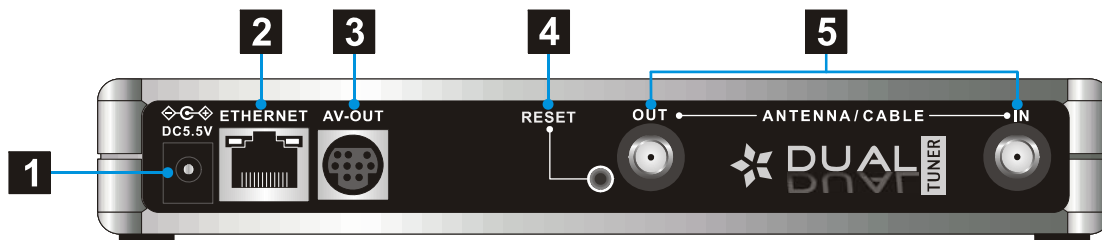
Status indicators:

Show the current status of this product. USB: USB storage indication

NET: Network connection indication; PWR: Power indication.

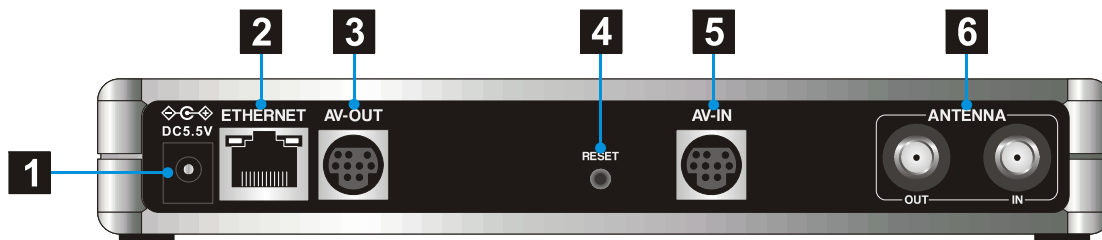


A5 & A7 have the same front panel as above, but A2 has different front panel without IR Blaster port.



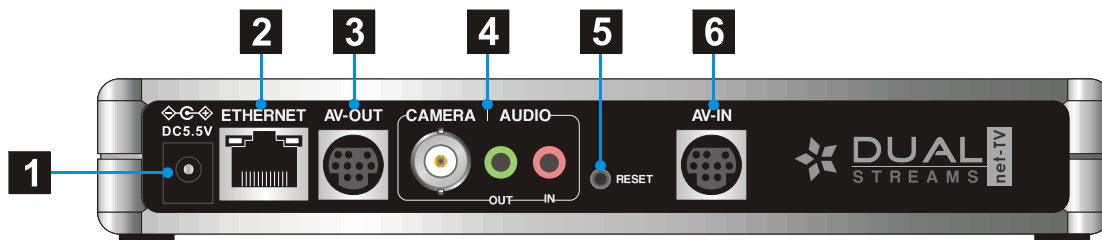
A2 Rear Panel

- 1 DC-IN:**
Connect the supplied power adapter.
- 2 ETHERNET:**
Connect a network with an always-on broadband connection.
- 3 AV-OUT:**
Connect to the A/V input of TV by the supplied 3-in-1 AV cable.
- 4 RESET:**
Press it with pen-point for three seconds, the box will reset to the default setting.
- 5 ANTENNA IN/OUT:**
Connect the cable TV antenna to the ANTENNA/CABLE IN jack on the unit, then connect OUT jack to TV by the supplied RF cable.



A5 Rear Panel

- 1 DC-IN:**
Connect the supplied power adapter.
- 2 ETHERNET:**
Connect a network with an always-on broadband connection.
- 3 AV-OUT:**
Connect to the A/V input of TV by the supplied 3-in-1 AV cable.
- 4 RESET:**
Press it with pen-point for three seconds, the box will reset to the default setting.
- 5 AV-IN:**
Connect to external A/V devices (such as STB) by the supplied 3-in-1 AV cable.
- 6 ANTENNA IN/OUT:**
Connect the cable TV antenna to the ANTENNA/CABLE IN jack on the unit, then connect RF-OUT jack to TV by the supplied RF cable.



A7 Rear Panel

- 1 DC-IN:**
Connect the supplied power adapter.
- 2 ETHERNET:**
Connect a network with an always-on broadband connection.
- 3 AV-OUT:**
Connect to the A/V input of TV by the supplied 3-in-1 AV cable.
- 4 CAMERA & AUDIO IN/OUT :**
Camera IN (BNC), Audio OUT (connected to speaker) & Audio IN (connected to microphone).
- 5 RESET:**
Press it with pen-point for three seconds, the box will reset to the default setting.
- 6 AV-IN:**
Connect to external A/V devices (such as DVD or STB) by the supplied 3-in-1 AV cable.

Specifications

Function \ Model		A2	A5	A7
Connectors	TUNER	2 x	1 x	N/A
	AV IN (mini-DIN)	N/A	1 x	1 x
	CAMERA & AUDIO	N/A	N/A	1 x
	IR Blaster Jack	N/A	1 x 3.5m phone Jack female (Black)	
	USB Host	2 x Type A, one connects a flash drive, the other connects a wireless network adapter (WiFi Dongle).		
	AV OUT	1 x mini-DIN 9Pin		
	Ethernet	1 x RJ-45		
	Power	1 x DC Jack		
System	CPU	Dual Core: AMR9 + DSP		
	ROM	16MB NOR Flash		
	RAM	256 MB DDR2		
	OS	Embedded Linux		
Switch	Reset	1 x semi-recessed pushbutton		
LEDs	PWR	1 (Green)		
	NET	1 (Red & Green dual colors)		
	USB	1 (Red)		

Recording	Video compression	H.264		
	Support resolutions	D1, Half D1 , CIF all @30/25 fps		
	Audio Compression	AAC		
	Recording file format	MP4		
	Recordable Media	USB HDD or Flash drive		
	File System	FAT32		
Power Requirement		5.5VDC, 2A		
Power Consumption		< 10 Watts		
Environment	Operating Temp.	0° C to 35°C		
	Storage Temp.	-10° C to 50°C		
	Humidity	10% to 80% RH(No condensation)		
Physical Properties	Housing	Plastic		
	Weight (approx.)	306g	294g	267g
	Dimensions	185(L)x124(W)x28.5(H)mm		

※ Specifications and design are subject to change without notice.

Operations comparison

The box operations include local and remote operations. User can connect the net-TV A series remotely by three devices on different platform: PC, Mobile Device and Receiver Box. The functions they support are as following:

Functions \ Platform	LOCAL	Remote (by network)		
	Operating	PC	Mobile Device	Receiver Box
Watch Video (TV, AV or CAM)	✓	✓	✓	✓
Switch video source	✓	✓	✓	✓
Video adjustment	✓	✓	—	✓
Channel Scan	✓	✓	—	—
Instant recording	✓	✓	—	✓
PIP (Picture In Picture)	✓	—	—	—
Network setting for TV box	✓	✓	—	—
Schedule recording setting	✓	✓	✓	—
Schedule recording	✓	—	—	—
Download recorded files from TV box	✓	✓	—	—
Play local recorded files	✓	✓	—	✓

Play remote recorded files	—	✓	—	—
Time-Shifting	—	✓	—	—
Firmware Update	✓	✓	—	—
Favorite channel	—	✓	—	—
IR-Learning and Editing	—	✓	—	—
Snapshot	—	✓	—	—
Modify login password	—	✓	—	—

Package Contents

The product package includes the following items and accessories:

Accessories \ Model	A2	A5	A7
Product Unit	x1	x1	x1
Power Adapter	X1	X1	X1
IR Blaster Cable	—	X1	X1
3-in-1 AV Cable	X1	X2	X2
RF Cable	X1	X1	—
RF Adapter *	X2	X2	—
Ethernet Cable	X1	X1	X1
Remote Control	X1	X1	X1
AAA Battery	X2	X2	X2
Quick Start Guide	X1	X1	X1

* The two RF Adapters are different, and they are only used for PAL (IEC connector), and NTSC (F-Type connector) doesn't need them.

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www.snazio.com