



The Lynx[®] Video Network

- Distributes up to 134 RF channels on Cat 5 or Cat 6 cable
- Distributes digital and analog CATV and MATV programming
- Simplifies cabling requirements
- Increases flexibility for moves, adds and changes
- Improves reliability
- Creates a bridge to IPTV

The Lynx Video Network simultaneously delivers up to 134 RF channels on Cat 5e or Cat 6 cable. It is ideal for distributing channels from CATV, satellite, off-air, DVD, or video camera sources. Frequency capabilities are 5MHz to 860 MHz.

A Lynx hub in the wiring closet converts an unbalanced coaxial signal into eight or sixteen balanced signals transmitted on twisted pair cables. At the point of use a wallplate F or single port converter changes the signal back to coaxial form.



Wallplate F



Single port converter

The Lynx Video Network simplifies cable requirements by reducing the need for coax. Now voice, video, and data can all be distributed on twisted pair cables. This

simplifies installation, standardizes the wiring, and reduces maintenance requirements.

The Lynx Network increases system flexibility because new TVs can be added in any location where Cat 5 is available.

A homerun wiring design improves reliability because there are no taps or splitters between the distribution hub and the TV.

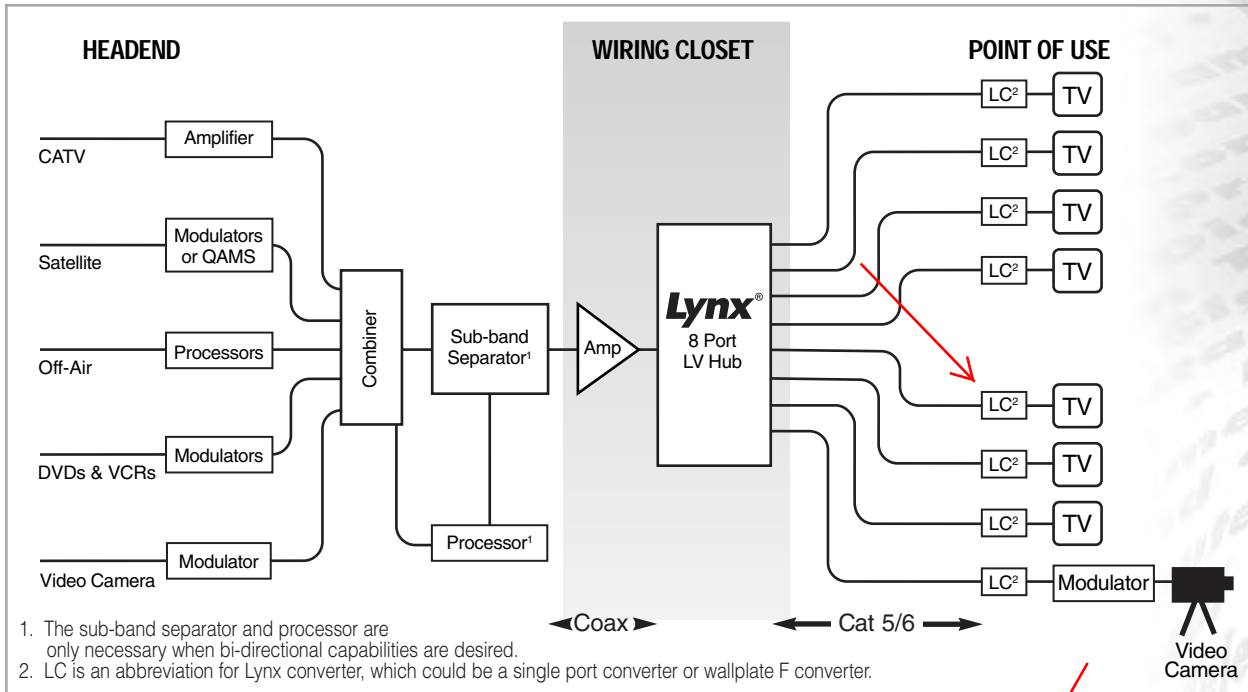
The Lynx Network also provides a "technology bridge" to IPTV by using the same infrastructure that IPTV will use.

A patented broadband balun is the centerpiece of the Lynx design. A pair of send / receive baluns delivers a clean RF signal to each TV. The baluns use an analog technology that delivers both digital and analog television, does not run on the network, and does not consume any bandwidth.

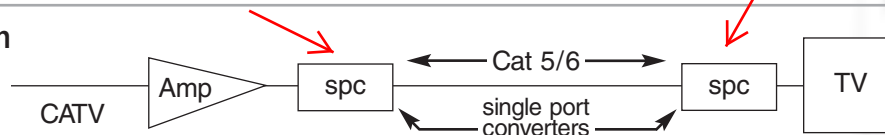
No external power is required. The passive design permits bi-directional operation and is extremely reliable.

Applications

For use in schools, hospitals, hotels, investment firms, law firms, and residential applications.



Residential Application



An inexpensive 20 dB amp can be used. Adding a 4 way splitter after the amp provides service to 8 spcs and 4 TVs within 100 ft.

Equipment Specifications and Options

Bandwidth	134 channels	5 to 860 MHz	Distance	60 channels	100 meters	330 feet
Insertion loss for hub & spc¹	<13 dB @ 5 MHz <19 dB @ 860 MHz		Capabilities (Assumes 50 dB to hub)	80 channels	88 meters	290 feet
				100 channels	83 meters	270 feet
				134 channels	68 meters	225 feet

1. For information on cable losses and insertion losses see www.lynxbroadband.com/PDFs/SystemLossFull.pdf

2. For a free interactive design model e-mail info@lynxbroadband.com

U.S. patents 5,495,212, 5,633,614, 6,150,896.

	Part Number	Width	Height	Depth	Emission Testing
<i>LV hub with rackmount</i>					
16 port LV hub ¹	040-0102 ¹	19.0"	1.8"	4.2"	FCC Part 15 Class A
8 port LV hub ¹	040-0101 ¹	19.0"	1.8"	4.2"	FCC Part 15 Class A
<i>LV hub without rackmount (mounts on wall)</i>					
8 port LV hub ¹	040-0090 ¹	6.2"	1.4"	4.2"	FCC Part 15 Class A
Single port converter	040-0074	.7"	.8"	3.3"	FCC Part 15 Class A & B
Wallplate F w punchdown	040-0135	3.0"	4.8"	1.3"	FCC Part 15 Class A & B
Port terminators ²	040-0069	.5"	.3"	.9"	Not applicable
12" coax jumper cable	180-1415	connects single port converter to F connector on TV			

1. Amplification is usually needed upstream of each hub. One amplifier usually serves up to 24 drops in each wiring closet.

2. Port terminators are required for all unused ports in order to prevent electromagnetic emissions. An eight port hub serving six TVs has two unused ports that must be terminated.

ISO 9001 Certified
Quality System



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