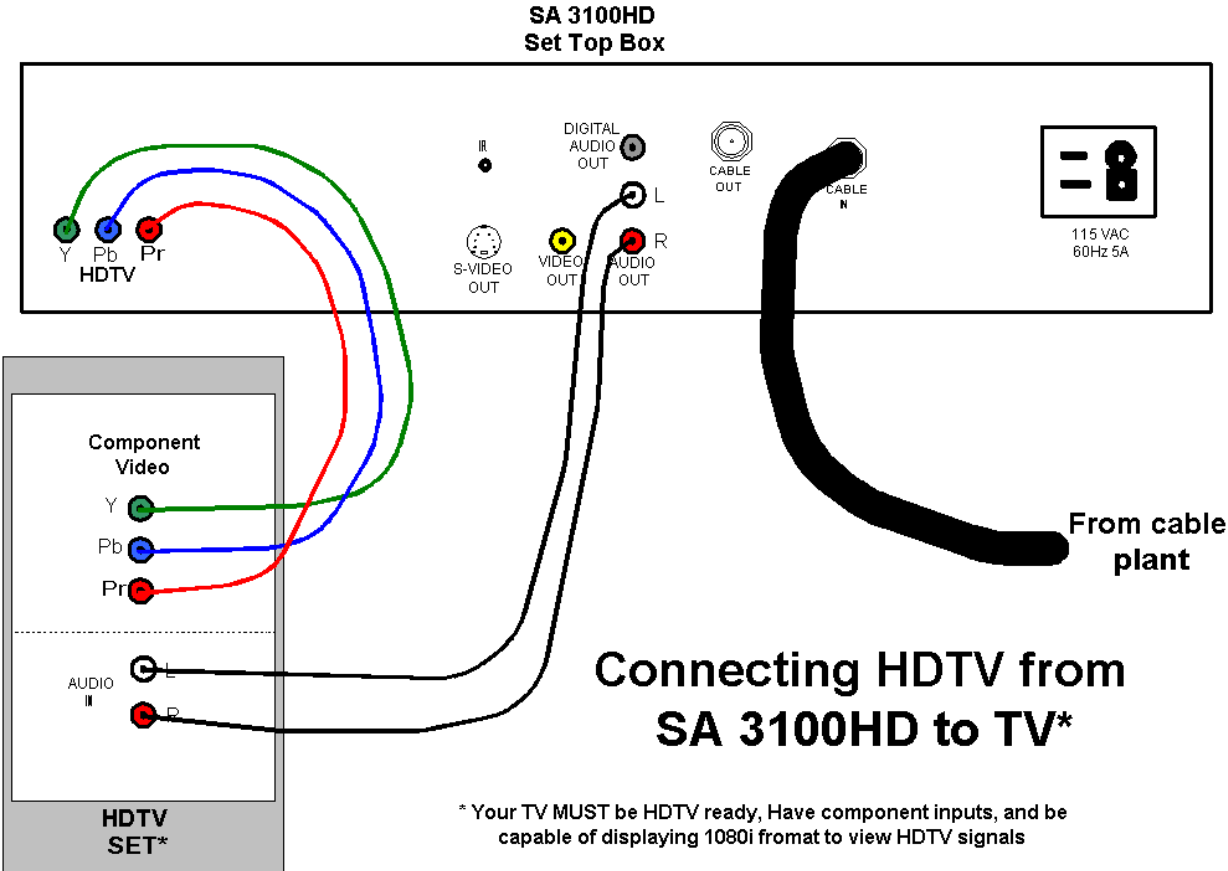


1. **Do I need a Digital Set-top box? How many do I need?** If you are connecting a “clear QAM” HDTV, you only need a digital set-top if you wish to decrypt HD premium services. Local HD channels are not encrypted on our system and can be connected directly to a Clear QAM HDTV. To decrypt HD services such as Discovery HD and ESPN HD you must have a digital set-top. If you are connecting a HDTV that is not clear QAM capable, you must have a set-top box to receive any of our HDTV signals. One set-top box is required for every HDTV set.
2. **How many DTV formats are there?** Of the 18 DTV formats defined by the Advanced Television Systems Committee, six are HDTV formats; twelve are SDTV (four are widescreen formats with 16:9 aspect ratios, and eight are conventional formats with 4:3 aspect ratios). The DTV formats are:

Scan Lines	Pixels	Classification	Aspect Ratio	Refresh Rate	Quality
1080	1920x1080	HDTV	16:9	60i, 30p, 24p	Best
720	1280x720	HDTV	16:9	60p, 30p, 24p	Best
480	704x480	SDTV	16:9	60p, 60i, 30p, 24p	Better
480	704x480	SDTV	4:3	60p, 60i, 30p, 24p	Better
480	640x480	SDTV	4:3	60p, 60i, 30p, 24p	Good

Cox set-tops are capable of supporting 1080i, 720i, 720p, 480i and 480p formats.

3. **How do I hook up the set-top to my HDTV?** This is a typical wiring diagram for the Scientific-Atlanta set-top – there may be differences from TV to TV.



4. **What are the HD programming data rates?** The data rates for our HD programming are dependant on the rates of the originator. A full, uncompressed HD data rate is about 19 MB/sec. In reality, most HD signals are less that the full 19 MB/sec and are closer to 15 MB/sec. We at COX pass along what we receive with very little (less that 1 MB/sec) of compression in most cases. The services that we receive that are closer to the full 19 MB/sec are Discovery HD, our local PBS HD (KLVX), and ESPN HD. The remaining local HD stations often compress their HD signals in the 12-15 MB/sec range. Usually prime time programming form our local affiliates are received at 19 MB/sec also.

