



How to tame the RGB, Component, S-Video, Composite beast

Color video signal is transmitted across a wide variety of transmission medias. Below is an illustration of how they work with each other.



Red + Black and White

Green + Black and White

Blue + Black and White

Color and black and white information is combined and transmitted across multiple lines

A converter is needed to separate the color signals from the black and white signals so that it can be transmitted across any one of these medias.



Black and White

Color

Color



Black and White

Color



Color + Black and White

Once the RGB signal is separated into color and black & white elements, interconnection between Component, S-Video and Composite is possible without the use of a converter.