

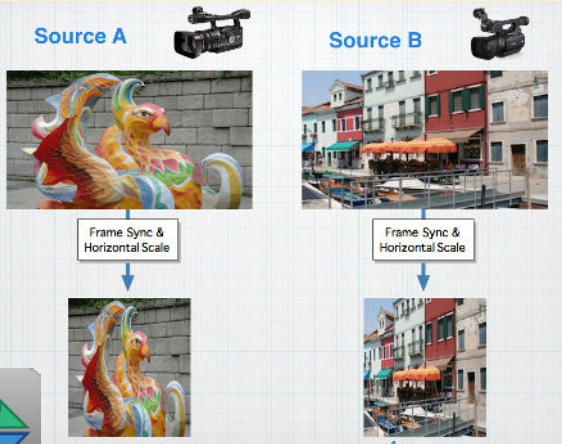


BrightEye™ DualPath - Two Signals in a Single Path



DualPath Tx
Combines Two Signals

Each video input is compressed to 50% width.



The compressed output is still an 'ordinary' baseband video signal.

Choose the audio transmission mode to suit the production requirements, and the capacity of the transmission path.

DualPath In A
DualPath In B
✓ 2 Ch: A Mono / B Mono
4 Ch: A Stereo / B Stereo
16 Ch: A 8 Ch / B 8 Ch
Breakaway

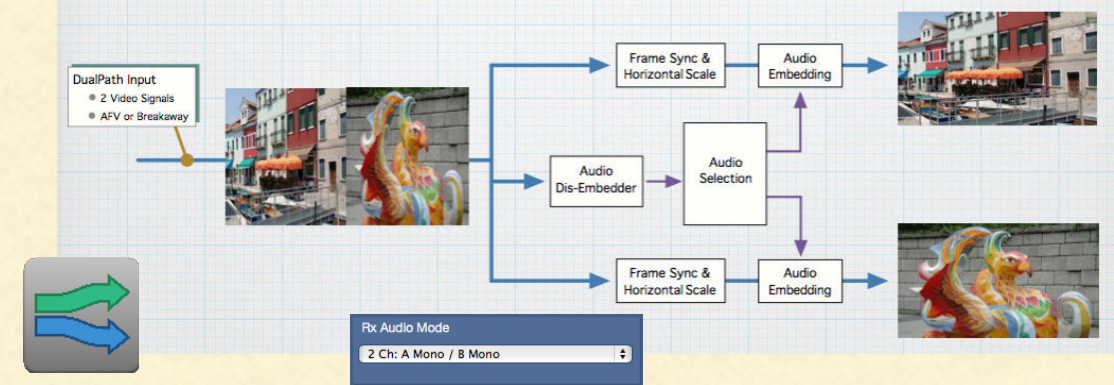
Tx Audio Mode
2 Ch: A Mono / B Mono

Breakaway Source: None
Breakaway Audio Type: Embedded Audio

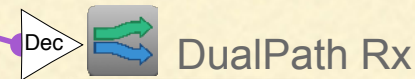
The DualPath signal, carrying two videos and associated audio, travels as a single feed over an ordinary path. DualPath operates only at the end points, with no changes required to the existing link. This example shows an IP link utilizing MPEG compression, but DualPath works equally well with baseband SDI and Fiber connections.

IP Connection
LAN, VPN,
Public Internet

The left and right halves of the multiplexed signal are expanded back to their correct dimensions.



Set the Audio Receive mode to match transmission.



The two sources recovered by the DualPath Rx process can be routed to any destination.

The incoming DualPath signal is fed to Rx In to be demultiplexed.

DualPathTx Out contains both signals.

News 4 Router Control

10.0.1.52/#1/router-control/

Camera 1, Camera 2, TSG 1, TSG 2, DualPath Tx Out

DualPath In A, DualPath In B, Encoder In

Direct, Gang

Choose a Source and Destination

Route the Tx signal to the transmission path.

Signal Routing at Transmit End

DualPath adds two more destinations for signal routing.

Receive Point A Router Control

10.0.1.64/#1/router-control/

Rem 4 - A Path, Rem 4 - B Path, Decoder Out, TSG 1, TSG 2

Production In 10, Production In 11, News Room In, DualPath Rx In

Direct, Gang

Rem 4 - B Path is Routed to News Room In

Signal Routing at Receive End