

Automatic Redundancy Change Over with BarnMini-05 and BarnMini-06

A combined signal containing 8 bi-directional SDI feeds and one Ethernet connection is transported via a single fiber from Site A to B. For redundancy reasons the signal is split by a passive optical splitter to two fiber strands. @Site B an optical switch chooses the fiber strand which will be used.

BarnMini-05 @Site B sends a ping request to the BarnOne frame @SiteA. Once the adjustable timeout for the response time of the ping request is exceeded, a GPO of BarnMini-05 @SiteB triggers the optical switch BarnMini-06 to switch to the redundant fiber.

Any Ethernet device with a known IP can be used as ping server for the ping request. You only require 1x BarnMini-05 and 1x BarnMini-06 at one end of the fiber.

