



SCREENLINK™

**Presentation Video, Audio,
Data Transmission System**



“High performance and affordable multimedia presentation transport solutions for DIGITAL SIGNAGE.”

Applications

- Corporate Boardrooms
- Convention Centers
- Hotels / Motels
- Meeting Rooms
- Hospitals

Features

- High Resolution RGB Video Transport up to 1600 x 1200
- Accepts Composite Sync, HV Sync, or Sync on Green
- Back-to-Back Compatible with SD/Bi-Level and HD/Tri-Level RGB Video Sync
- CD Quality Stereo Sound Transport
- Provides 2 Switched Ports of 10/100 Ethernet Transport for System Control Applications

The BCI ScreenLink fiber optic transport product transmits uncompressed, high bandwidth (150 Mhz/channel), high-resolution (1600 X 1200) RGB+HV video, stereo audio, and 10/100 Ethernet. This transmission is conducted from a central point to projectors, Plasma screens, LCD monitors, or computer monitors over medium to long distances utilizing Multimode or Singlemode fiber optic cable. The ScreenLink Fiber Optic Transport System has the unique ability to deliver High Definition (HD) video with tri-level synchronization or Standard Definition (SD) video with bi-level synchronization. The ScreenLink now supports both the HD and SD specifications, as well as computer RGB video applications.

The ScreenLink product is a point to point transmission system over 5 fibers. The RGB and audio transmit portion of the product is usually card cage based (standalone available upon request). Each 3 RU, 19", rack mountable, BCI 200ECC card cage can be filled with up to 9 RGBHV links with corresponding stereo audio and employs redundant power supply cards. The 2 RU 10/100 Ethernet card cage can hold up to 16 cards with redundant power included.

The receive unit is a 1 RU, 19" rack mountable or standalone unit that provides 1 channel of RGB HV, 1 stereo audio pair (Line Level) and 2 ports of switched 10/100 Ethernet.

This system was designed for the purpose of transmitting high resolution video and stereo audio to an LCD projector and audio amplifier. Ethernet is used for the remote monitoring and control of the projector over IP. The additional Ethernet port is also used to extend the AVD system control through a touch panel similar to Crestron and AMX screens.

Typical applications include: Corporate boardrooms, Digital signage, Hotels, Convention Centers.



Doing More With One Fiber



SCREENLINK™

RGB Video Link (4600E-TX-S-SC-CC-HD15, 6102-TX-S-SC-CC, and 4600E-RX-A-S-SC-HD15)

RGB Video

Bandwidth (Pixel Rate)	Up to 150MHz
Resolution	Up to 1600 x 1200
Video Level	1.0Vp-p @ 75 Ohms
Sync	Bi-level External/Composite/ Sync-on-Green or Tri-level Sync-on-Green
Connector	HD-15 VGA
Alarm	5VDC Output (through audio connector)

Optical

Fiber Type	Singlemode
Wavelength	1310 nm
Power Budget	8 dB
Fiber Optic Connector	SC

Audio

Channel Capacity	2
Operating Mode	Balanced
Input/Output Impedance	600/600 Ohms
Max. Input/Output Level	10dBm @ 600 Ohms
Magnitude Freq. Response	20Hz to 20kHz @ -1 dB
SNR (Weighted)	>80dB @ 1kHz + 10dBm Input Level (Balanced)
Connector	Terminal Block

Optical (Audio)

Fiber Type	Singlemode
Wavelength	1310 nm
Power Budget	25 dB (singlemode)
Fiber Optic Connector	SC



Physical

Dimension: (H x W x D)	
Chassis Card	5.24" x 0.93" x 11.57"
Standalone	1.72" x 8.51" x 12.00"
Status Indicators	
RGB Module	Power
Audio Module	Power, Optical Link, Audio Activity
Power Requirements	
4600E-TX-CC	12VDC @ 10 Watts
6102-TX-CC	12VDC @ 8 Watts
4600E-RX-A	12VDC @ 18 Watts
Humidity	5 to 95% RH, non-condensing
Operating Temperature	0 to +50 degree C

RGB Video/Stereo Audio Card Chassis (200E-CC and 200E-CCP)

200E-CC

Dimension (HxWxD)	5.24"x19.00"x13.60"
Slot Number	18 (including slots for power supply 200E-CCP)

200E-CCP

Input Power	100-240VAC
AC Connector	IEC 3-prong
Output Power	+12VDC, 180 Watts max. including cooling by forced air
LED Indicator	Power
Slot Space	2
Humidity	5 to 95% RH, non-condensing
Operating Temperature	0 to + 50 degree C





10/100 Ethernet Link (CCT-2112BTFW2B-SM20 and SWH-2003W2A-SM20)

CCT-2112BTFW2B

Operation	Ethernet Media Converter
Standards	IEEE 802.3 10Base-T, IEEE 802.3u 100BaseTX/ 100BaseFX
Electrical Port	1 x 10/100 Base-TX RJ-45 Connector
Optical Port	1 x 100BaseFX SC Connector
Optical Budget/Wavelength	19dB Optical Budget (TX-1550nm; RX-1310nm)
Dimension (HxWxD)	3.39" x 0.98" x 4.69"
Status Indicators	PWR, FX100, FX Link/ACT, FDX, TP100, TP Link/ACT
Power Requirements	12VDC @ 6 Watts
Humidity	5 to 90% RH, non-condensing
Operating Temperature	0 to + 50 degree C

SWH-2003W2A-SM20

Operation	Ethernet Switch
Standards	IEEE 802.3 10Base-T, IEEE 802.3u 100BaseTX/ 100BaseFX
Electrical Port	2 x 10/100 Base-TX RJ-45 Connector
Optical Port	1 x 100BaseFX SC Connector
Optical Budget/Wavelength	19dB Optical Budget (TX-1310nm; RX-1550nm)
Dimension (HxWxD)	1.34" x 5.60" x 5.70"
Status Indicators	Power, Status, 100, FDX/COL, LINK/ACT
Power Requirements	12VDC @ 15 Watts
Humidity	5 to 95% RH, non-condensing
Operating Temperature	0 to + 50 degree C

10/100 Ethernet Audio Card Chassis (TCT-CC and TCT-AC)

TCT-CC

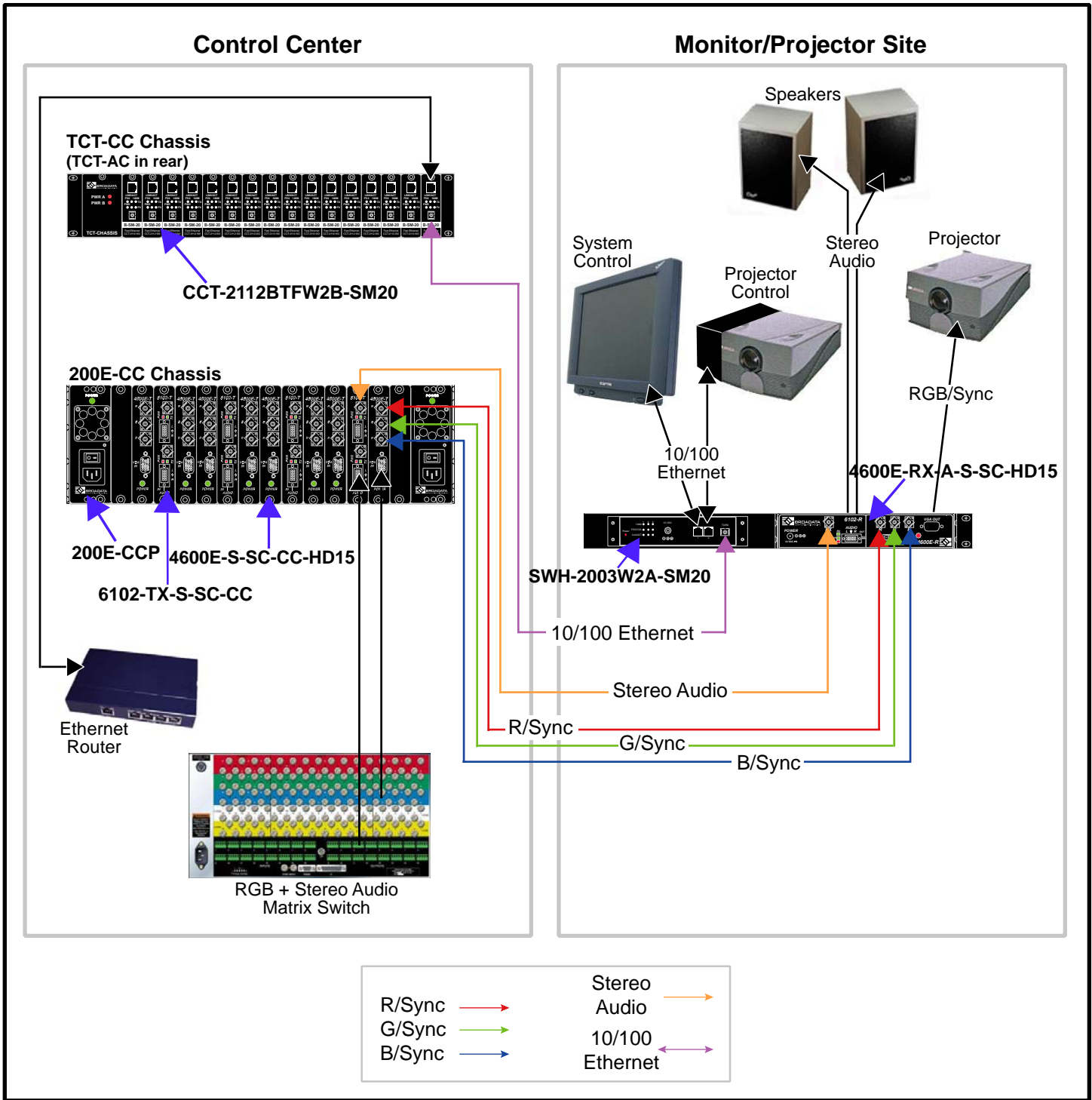
Dimension (HxWxD)	3.46" x 19.00" x 17.75"
Slot Number	16 (including slots for power supply)

TCT-CCP

Input Power	100-240VAC
AC Connector	IEC 3-prong
Output Power	+12VDC, 150 Watts
LED Indicator	Power
Slot Space	None
Humidity	5 to 95% RH, non-condensing
Operating Temperature	0 to + 50 degree C



Typical Application



Doing More With One Fiber

Subject to continued product enhancement, we reserve the right to change the above specifications and description without notice.