BATTLEFIELD CHRISTIAN CHURCH

Equipment proposal
Prepared by Micheal Byrd
October 20, 2026

Screens and Video Setup

Everything needed to get video from the sound booth to the two front TVs and the confidence monitor. **The TVs themselves are not included** in this proposal.

Total for this proposal (before tax) **$687.48**

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One click adds every Amazon item below in the right quantities (about $585.80). The coax is picked up at Lowe's by Micheal, and the local hardware-store items (silicone, outlets) are bought separately.

How it works: the computer at the temporary sound booth (back-right corner of the balcony) sends HDMI into a converter that puts the picture on one coax cable (SDI). The coax runs inside along the top of the right wall, out under the eave inside the new soffit, and in by the back door of the rooms behind the stage. There, in the middle of the wall, a second converter turns it back into HDMI and a splitter feeds both front TVs over two 35 ft HDMI cables. SDI on coax has no delay and nothing to set up. A Cat6 network cable runs alongside the coax for the WiFi (covered in a separate proposal).

Shopping list

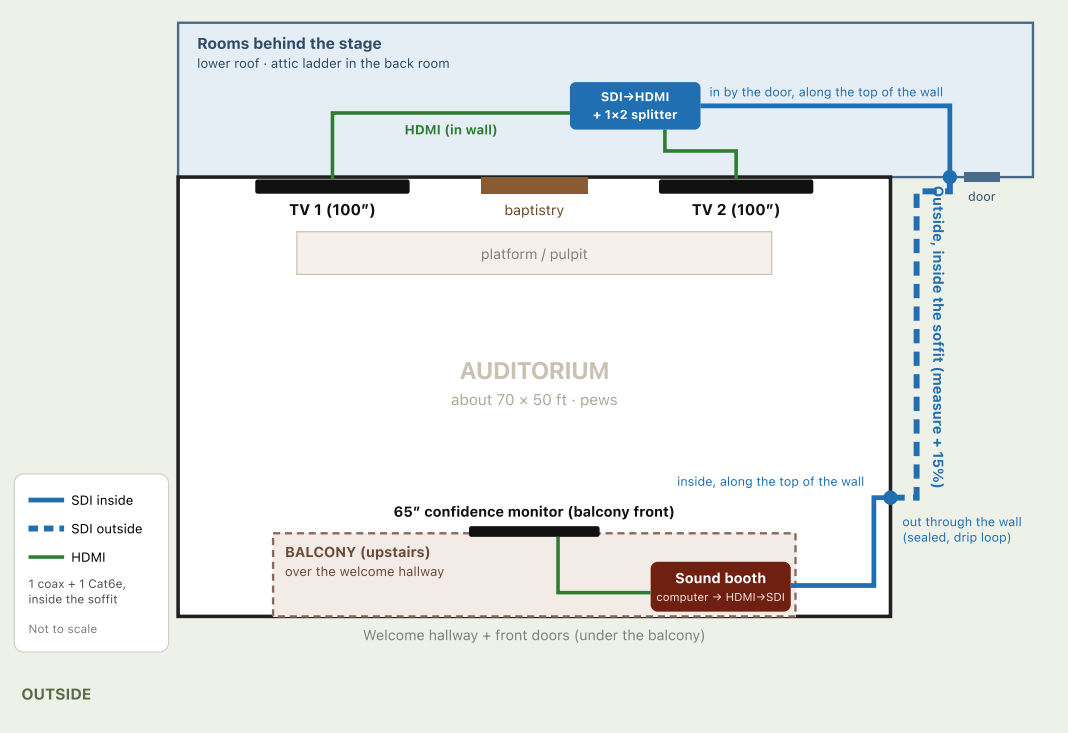
Qty	Item	Each	Total	Buy
Wall mounts				
2	**Heavy Duty Fixed (flat) Low-Profile TV Wall Mount, 55-120"** One per front TV. Holds 98" TVs flat to the wall.	$37.99	$75.98	Add 2 to cart View
1	**PERLESMITH tilting wall mount, 37-85"** For the 65" confidence monitor on the balcony front.	$18.96	$18.96	Add 1 to cart View
Video converters (SDI)				
1	**Blackmagic Micro Converter HDMI to SDI 3G (no power supply)** At the sound booth: computer HDMI in, SDI out onto the coax. Same converter as before; the version with a power supply went out of stock 10/28, so it's powered by the Anker charger below.	$75.00	$75.00	Add 1 to cart View
1	**Anker 20W USB-C charger, 2-pack with 2 USB-C to USB-C cables** Powers the booth converter (USB-C). The second charger and cable are spares, or can power the SDI-to-HDMI unit behind the stage.	$16.99	$16.99	Add 1 to cart View

1	**Blackmagic Micro Converter SDI to HDMI 3G (no power supply)** In the room behind the stage: SDI in, HDMI out to the splitter. Powered by USB-C: uses the spare's power supply (below), or any USB-C phone charger. The version with a power supply wasn't available.	$75.00	$75.00	Add 1 to cart View
1	**Blackmagic Micro Converter BiDirectional SDI/HDMI (with power supply): SPARE** Same unit as the booth one, kept as a spare; can replace either converter if one fails. Its power supply runs the SDI-to-HDMI unit. The earlier spare went out of stock 10/28. Estimated price.	$99.00	$99.00	Add 1 to cart View
HDMI				
1	**OREI UltraHD 1x2 HDMI splitter (4K60)** Sends the one signal to both front TVs. Sits with the converter in the middle of the wall behind the stage.	$18.90	$18.90	Add 1 to cart View
2	**BlueRigger 35 ft in-wall HDMI (CL3 rated)** Splitter (middle of the wall behind the stage) to each front TV: about 20 studs (~27 ft), around a small corner and up to the TV, with slack.	$39.99	$79.98	Add 2 to cart View
1	**BlueRigger 35 ft in-wall HDMI (CL3 rated)** Booth computer to the confidence monitor on the balcony front.	$39.99	$39.99	Add 1 to cart View
1	**Highwings HDMI 2.1 cable, 2-pack (8-10 ft)** One at the booth (computer to the HDMI-to-SDI converter), one behind the stage (SDI-to-HDMI converter to the splitter). Pick the length on the listing. Estimated price.	$14.00	$14.00	Add 1 to cart View
Coax cable run (booth to the room behind the stage)				
1	**Southwire RG6 Quad Shield coax, 500 ft, black (Lowe's item 3332782)** One run, about 150-200 ft, inside the soffit. Micheal is picking this up at Lowe's in Corinth so it's here before the soffit work; NOT in the Amazon cart. Search Lowe's for: Southwire 500-ft 18 RG6 Quad Shield Black. Leftover is enough for a future camera run.	$71.68	$71.68	Buy at Lowe's → not in the Amazon cart
1	**Cimple Co BNC compression connectors for RG6, 10-pack (SDI-rated)** 2 needed (one each end) plus spares. Replaces the Klein 10-pack, out of stock 10/28; same type, works with the Klein crimper. Estimated price.	$15.00	$15.00	Add 1 to cart View
4	**QCSIW white self-closing braided cable sleeve, 1/2 in, 10 ft** Makes the black coax (and the Cat6 beside it) white where it shows indoors: along the top of the auditorium wall and in the room behind the stage. Wraps on from the side, so it can go on after crimping. 4 packs = 40 ft; estimated price.	$9.00	$36.00	Add 4 to cart View
1	**Gardner Bender masonry coax clips, 100-pack, black UV** Only for any part of the run not tucked inside the soffit.	$9.00	$9.00	Add 1 to cart View

1	**Exterior silicone (GE Silicone 2)** Seal the holes where the cables go through the walls.	$10.00	$10.00	Home Depot / Lowe's (local)
Wall openings				
1	**XIOGZAXI desk grommets, 2 in, white, 10-pack with 2 in hole saw** Cut 2 in holes behind each TV and at the splitter behind the stage with the included hole saw; snap a grommet in each. A dab of caulk holds them in drywall. Estimated price.	$12.00	$12.00	Add 1 to cart View
Power				
2	**Wall outlet, box and cover plate** One behind each front TV, tied into the existing circuit already run backstage. Installed by Rayburn.	$10.00	$20.00	Home Depot / Lowe's (local, estimate)
	Total		**$687.48**	

Prices were checked Oct 16-20, 2026 and can change; confirm the price and that it says "In Stock" in the cart. Tax and shipping not included (most items ship free with Prime).

Cable route



Already covered (no cost to the church)

- **Tools:** Micheal is buying the coax compression crimper and stripper personally.
- **Labor:** volunteers. Rayburn (electrician) is installing the 2 TV outlets through the attic and drilling the wall holes; Micheal is running and terminating the cables.

Not included

- The two front TVs and the 65" confidence monitor (priced separately on the project page).
- WiFi and network equipment, including the Cat6 cable (separate proposal).

Option: wireless instead of the coax run

A Lemorele wireless HDMI kit (1 transmitter + 2 receivers, about $119.99 on Amazon) worked well in a test from the balcony. It would replace the converters, coax, connectors, splitter and the two 35 ft HDMI cables. The plan stays with SDI on coax because it's wired, has no delay and can't be interrupted by WiFi or a full room; the wireless kit is a good backup.

Install notes

- Run the coax and the Cat6 together and have them ready before the soffit crew starts, so they go up inside the new soffit.
- Drill wall holes sloping slightly down toward the outside, leave a drip loop, and seal with silicone. Put the BNC connectors on indoors.
- Put the converter and splitter in the middle of the wall behind the stage so the two 35 ft HDMI runs are even.
- Set the booth computer to 1080p60. The converters and splitter need no setup. Label every cable at both ends.
- Mount the TVs with two people, into studs, centered about 60-72" above the platform.

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