LG Digital Broadcast Studio
Studio Capabilities

The School of Continuing Studies LG Digital Broadcast Studio provides students and faculty with advanced digital technology in an educational setting. The LG Digital Broadcast Studio is made possible, in large part, through a landmark educational partnership between Georgetown University and LG Electronics USA.

The LG Digital Studio features state-of-the-art broadcast equipment as well as seven LG 84-inch 4K Ultra HD displays, cutting-edge LG commercial monitors and HD displays. It features three high definition remote control operated studio cameras, a 500-channel control board with advanced lighting controls, and program monitors in the green room and outside the studio. With lighting, furniture and background manipulation the Georgetown University LG Digital Broadcast Studio allows the user to create a variety of studio looks to meet different shooting needs. The set has built-in LED lights that can change color to completely alter the look of the set. It also has interchangeable set pieces that provide set options such as two person interview or panel discussion, informal discussion, single-person stand-up, news-desk-style shot and more.

Basic Studio Capabilities

- Live shoot with as many as three robotic cameras (manned cameras may also be used)
- Single-channel character generator for supers, slates, graphics
- Four-channel video server for live records (record or playback in any channel combination)
- HDMI matrix router for on-set displays, teleprompter and Guest laptop connections
- Video/audio interface for outbound internet conferencing via USB based apps (Skype, Zoom Video Conferencing, Wed Streaming, etc.)
- One to two Studio Return monitors, Green Room and Entry monitor (all routable)
- On-set countdown clock
- Teleprompter (single channel)
- Comcast CATV incoming feed (routable)
- Incoming/outgoing Verizon AVOC fiber connections
- Live network/internet streaming encoder
- Digital audio mixer with full scene recall
- One to six lavalier mics on set
- Two-channel PL intercom and one-channel talent IFB (w/PGM send from mixer)
- Seven HD set backdrop displays fed from video-wall processor
- Two media players for set display graphics and animation
- Guest laptop utility connections in studio and control room (VGA or HDMI, with audio)
- Full lighting grid with mostly LED instruments, 500-channel control board, remote presets

Optional/Future Capabilities

- E) Router/patch reserved for outbound CATV feed
- F) Router/patch reserved for building fiber drops, etc.
- G) Router/patch reserved for VTC connection
- H) Various spare cables run between locations