



**TELEVISION
STUDIO**

UNIVERSITY OF SURREY

Facility Information & Technical Specifications

University of Surrey Television Studio

Sam Sarjudeen

+44 7905 876 234

s.sarjudeen@surrey.ac.uk

tvstudio@surrey.ac.uk

29 April 2024

Introduction

Images

Studio Floor Specifications

Dimensions

Lighting

Power

Wallboxes and Tielines

3x wallboxes each containing:

- 16x analogue mic lines
- 2x SMPTE fibres
- 4x BNC ties
- 4x analogue line returns
- 4x CAT5 ties
- 2x LC duplex fibre ties
- 1x sACN tie
- 1x DMX tie

Monitoring

As well as a wheeled, height-adjustable on-set TV display, the studio floor offers the following equipment in a rack:

- Floor monitor for program return
- Wireless mic receivers
- Foldback speaker with headphone amplifier

Control Rooms Specifications

Production Control Room (Gallery)

- 2x2 Monitor stack (preset to program, preview and 2x 3x3 multiviewers, but customisable)
- 8x CAT5 ties
- 4x analogue mic lines
- 4x analogue line returns
- PoE capable network switch

Equipment

Vision and Camera Equipment

Cameras

Vision Mixer

Record/Replay Equipment

- EVS XT3 8ch record/replay machine set to 6in x 2out (configurable on request)
- 2x EVS LSM Multicam controllers
- EVS IP Director software package
- Atomos Shogun available on request

Graphics Playout

CasparCG server and client with two channels of fill and key

Teleprompting

Vision Engineering

Sound and Comms Equipment

Sound Console and IO

- 1x Calrec Brio sound desk (36 physical faders, dual layer, 24x Mic/Line inputs, 16x Analogue outputs, 8x AES3 digital inputs, 8x AES3 digital outputs, Dante 64x64 card, MADI 64x64 card)
- 1x Calrec BR.IO stage box (24x Mic/Line inputs, 16x Analogue outputs, 8x AES3 digital inputs, 8x AES3 digital outputs)
- 3x Ghielmetti audio patchbays for all analogue mic/line inputs and outputs

Microphones

- 4x Sennheiser EW-DX lavalier radio mics
- 5x wired lavalier mics
- 8x Sennheiser G3 ENG lavalier radio mics (available on request)

Audio Payout

- Ovation audio playback system with GPI capability and touchscreen display
- Apple Mac Mini w/ QLab 4 Pro Bundle

Comms

- RTS ODIN comms system with keypanels and Dante routing
- RTS ROAMEO beltpack for floor manager

Network and Control Equipment

ubiquiti.. separated networks for dante and generic network EVS Cerebrum Broadcast Control System with webclient licenses. Control of all video routing and

Glue and Multiviewer Equipment

- Fibre connectivity to darkfibres around the university campus
- 1x Axon Synapse frame with cards:
 - 4x embedders
 - 4x deembedders
 - 8x fibre RX
 - 4x fibre TX
- 1x Blackmagic CleanSwitch 12x12 for frame synchronisation of outside sources
- Predator dual head multiviewer with 18 PiPs
- 1x Decimator DMON-16S multiviewer with 10 PiPs
- 3x Decimator DMON-6S multiviewer with 6 PiPs each

Schematic Diagrams

