# MEDIAWALL

**BATH SPA UNIVERSITY**

# Technical Overview

## Location

MediaWall is located in the atrium space of Commons academic building on the Newton Park campus of Bath Spa University. The Atrium is a three storey high closed glazed area linking two blocks of the building with views through glazed walls to the east and west to the surrounding countryside. The display panels are clearly visible under direct sunlight. An open galleried space in the first floor overlooks MediaWall, which is located on a south facing wall.

Commons is at the heart of the student experience on the Newton Park campus. It is the main contact point for student support and contains over 50 bookable teaching spaces, a TV production studio and edit suites, quiet study areas and serves hot and cold food. The building is open 24 hours a day and MediaWall is active 20 hours per day starting at 7:00am.

## Size

MediaWall consists of thirty 55" display panels arranged in a 3x10 grid. The overall size is 7.35m high x 3.75m wide with the lowest edge starting 0.4m from floor level. The display panels are of a narrow bezel design so the total size of the bezel between any pair of screens is 5.5 millimetres.

## Media

MediaWall can accept video input through DVI connectors. You can run up to 12 devices simultaneously, although there is no inbuilt facility to synchronise these inputs. Each input can be HD resolution - 1920 x 1080 pixels. If you have a machine with a graphics card capable of delivering more than one output you can create an 'extended desktop' to allow higher resolutions to be displayed. We have two dedicated computers running Windows 7, each fitted with a ATI Radeon graphics card that has six HD outputs. This allows high resolution displays to be created. Typically we would run a 1x3 desktop setup, resolution of 1920 wide x 3600 pixels high, scaled up to fit. The second machine ensures continuity in the event of computer failure. Any output displayed on MediaWall can be scaled and/or stretched, whilst this does not make use of the highest resolution the audience is usually several metres away from the screen so any pixelation is not an issue. Contact us to discuss.

## Sound

MediaWall has stereo speakers located at head height either side of the screens. Additionally here are six ceiling mounted isolation speakers; three ground floor and three first floor gallery. Should you wish to use your own sound input and/or processors we have a network of XLR connectors built in to the atrium space accessible adjacent and opposite to MediaWall. These are linked to the control room which has an 8 in / 8 out digital audio matrix, programmable, controller to manage the audio.

## Interactivity

MediaWall is designed to support active engagement with an audience of staff, students and visitors. To facilitate this a network of floor boxes allow devices to be placed at points around the atrium space and connected to computers in the control room. These could be sensor inputs, such as pressure mats, keyboard or mouse. Analogue devices such as webcam or microphone could act as triggers or provide a live feed to control the work being displayed. Connection is facilitated over Cat6 cabling with adapters to send USB, HDMI or other data.

Screen specification

Individual Panel Dimension (WxHxD) 1,215.3 x 686.1 x 96mm
The overall size of the combined panels (WxH) is: 1,215.3 x 3 = 3,645.9 mm x 688.1 x 10 = 6,881.0 mm

Bezel Width 3.7mm (upper and left edges), 1.8mm (right and bottom edges). Total 5.5mm.
For work covering more than a single panel compensation can be applied by our controller software to take account of the bezel dimensions. The compensation required will depend on the final resolution you are using, there is no need to calculate this when designing work.

Proposals

We require proposals for MediaWall to ensure the content meets the curatorial guidelines, to ensure proposed works are feasible and can be suitably resourced/supported by the proposer, and to allow notification of events to staff and students using Commons. You may consider works for MediaWall only, or you can consider the use of the Atrium in front of MediaWall. Your proposal must indicate if you require use of the Atrium space this will require booking for the duration of the proposed work. Proposals are subject to timetabled use of Commons as there are periods, such as Open Days or examinations that may place restrictions on the works we can host.