

Printworks External Roof Top Ribbon and Withy Grove & Dantzic Street LED Screens

Luminance Levels and adjustment

The external High-Level Signage Screens covering the roof top ribbon and commercial screens on Withy Grove and Dantzic Street, have all been commissioned with a calibrated maximum daytime luminance level of 5500cd/m² to be able to compete with bright day time conditions, specifically direct sunlight on the screens. The screens are equally set with a maximum luminance level of 300cd/m² for non-daytime hours. The screen brightness adjustments are set to operate on a sliding scale depending on the level of ambient brightness, to always be seen at an optimum viewing level that is never too bright or conversely too dull. This is done using a series of ambient brightness sensor installed at high level across the rooftop for the ribbons and in close proximity to both the Withy Grove and Dantzic Street Screens, which will continually regulate the screens brightness for the respective screen via each screen processor and in accordance with the ambient light level conditions and the limits set for daytime and non-daytime hours.

Monitoring and Fault correction

The high-level ribbon signage and Withy Grove and Dantzic Street LED screens all connect directly to ADI's Smart Monitor Network, allowing us to actively monitor the status of the screens 24/7.

Smart Monitor provides feedback of key operating parameters and provides the Screen Support team with proactive warning of potential issues, minimising downtime and helping to prolong the life of the screens.

Smart Monitor connects to the receiving card of each individual screen panel, providing continual evaluation of the operating environment and accurate diagnosis of any operating anomalies. It is therefore possible for us to monitor each panel individually, specifically the temperature, voltage, runtime and connectivity status. A proactive warning system allows ADI to set specific parameters with instant notifications sent to the service team when these are breached.

Full remote processor access allows ADI to identify, adjust and remedy content playout settings and programming issues that would traditionally require a site visit. Important key information such as screen configurations can be easily backed up and redeployed from the cloud if required.

Periodic annual servicing of the screens, processing and control equipment will additionally enable a full visual inspection and active testing of the equipment to allow preventative maintenance to be undertaken if required.

In the instance of a physical fault being visible on a screen, ADI will remotely dial in to correct the fault. In the event that the fault cannot be fixed remotely, ADI will turn the localised affected screen section to black, so as not to negatively impact the site. This will remain until a technician has visited site to carry out a physical replacement of the faulty module with one of the supplied spares. The faulty module will be taken to ADI for full repair and testing, before being returned to the Printworks site to replenish the stock of spares.