AMScreen

DS75 Bus Shelter Unit Technical Specification (Dual & Single)

Digital Display Panel	
Technology	LCD
Orientation	Portrait operation
Maximum resolution	1080 x 1920 pixels (Full HD)
Viewability	Direct Sunlight Readable
Format	9:16
Display colours	16.7 Million
Pixel arrangement	RGB vertical stripe
White luminence (Typ)	2500 cd/m2
Contrast ratio (typ)	5000:1
Active area	928 x 1650 mm
DPI	0.86 x 0.86 mm
Viewing angle (typ)	wide viewing angle (+/- 89°)
Front Optical Sensor	Yes - for additional proof of content playout
Brightness	Automatic Brightness control to adapt screen brightness to ambient light level. Smart Brightness® to adapt backlight brightness during certain hours to not exceed a maximum value
Backlight	LED – automatically turned off when front door opened. Remote re-enablement for increased security
Networking	
Connectivity	4G connectivity with roaming across mobile networks
Antenna	Low profile hockey-puck mounted discretely at top of the unit
Local Ethernet	Local webserver to aid installation and trouble shooting
RDM® Smart Maintenance (Option)	
DS75 Access	Secure front door access with integral LCD panel to gain access to replaceable modules behind
On-site Serviceability	Easy replacement of the DS75 LCD panel Easily replaceable of DS75 control modules e.g. fans, power supplies, PC, router, control units, Easy replacement of glass door
RDM® Remote Management	Remote data collection associated with PC system, video, brightness, backlight, temperature, humidity, light, fans, router and media player. Alarm exceptions/configuration System configuration/control Asset management
RDM® Managed Maintenance Service Option	Centrally managed maintenance service through Amscreen help desk Trouble ticketing system and process for managing, escalating and resolving issues quickly in order to minimise downtime. Service Level Agreement (SLA) reporting against key operational criteria
RDM® Predictive Maintenance	Advanced warnings of possible failure conditions Usage profiling over time to detect early failure patterns
Physical	
Dimensions	2261mm x 1336mm x 305mm +/- 7mm (all dimensions)
Weight	400 to 420Kg

Enclosure	
2 sided	Front-side digital outdoor display Rear-side digital outdoor display/poster option
Types	DS75 for integration with bus shelters Free standing unit also available
Front door	Fitted with top side hinges allowing easy removal of the door Replaceable glass to front door Gas struts to control safe opening and closing of door Latch/locking mechanism to prevent open door from falling
Front Glass	9.5mm toughened laminated construction Optically clear low reflective coated face glass
Ventilation	Located on side panels for ease of access
Modular Chassis	For fast on-site replacement of internal modules
Audience Analytics Camera option	Full HD 1080 x 1920 pixels for maximum viewer detection range located centrally above LCD display with removable blanking plate (normally obscured)
Customisable Branding	Provision for a client logo sticker to be fitted to the metal cladding
Power	
Power Supply	220-240VAC, 50Hz single phase mains
Power Access	Via base plinth to accommodate cabling and ducting
Power Consumption (MAX)	1920W (Double sided display) 1220W (Single sided display)
Plinth	Mains feed
Protection	Mains voltage surge protection & EMC filter
Environmental	
IP Rating	IP55 Weatherproof
Operating temperature	-20 to +40°C
Storage temperature	-20 to +60°C
Relative Humidity	5% to 95% over the operating temperature range
Smart Coldstart®	Intelligent heater-based control for starting up sensitive electronics in cold conditions
Smart Environmentals®	Intelligent control of environmental conditions within an outdoor display
Smart Exchange®	Intelligent control of airflow to maximise heat exchanger efficiency
Further Options	
3rd Party Management	Contact Amscreen for 3rd Party remote monitoring integration options
Player PC	Secondary PC
Cladding	Customisable or no cladding to meet specific needs
Energy meter	Energy monitoring integration
Power switch gear	RCB and MCB main switch gear integration
Mood lighting	Subtle side panel LED mood lighting

Installation

DS75 structurally approved for bus shelter loading

Transported fully assembled with transport jigs that:

- Secure DS75 displays in transit
- Maximise transport floor area
- Aid on-site/on-ground DS75 installation and manoeuvrability

Lifting jigs to aid DS75 installation

Simple installation process minimising on-site installation time

Security & Vandalism

Robust materials

Front-facing toughened laminated glass

Secure lock required to open front and rear door

Secure encrypted transmission between DS75 displays and central management systems

Conformance

CE (RED, LVD, EMC)

RoHS and WEEE

IEE Wiring Regulations 17th Edition

BS EN 12600 & BS EN 356 (Class P3A)

Copyright © 2017 Amscreen Group Limited

* Subject to change