

**AMscreen**

Think outside the screen™

# DS75A Waferlite® Technical Specification

Double/Single Sided

Amscreen® is a leading provider of screen solutions in Europe offering seamless, scalable deployments and support via our full service approach and RDM®.

# DS75A Waferlite®

## The thinnest, lightest and brightness dual digital screens!

### Custom-built to complement any environment

Our **DS75A Waferlite®** displays deliver the brightest and lightest urban displays in a small modular footprint.

Available in any freestanding, integrated or custom enclosures, **DS75A Waferlite®** displays are offered with a wealth of smart optional features.

### Features

- ✓ High brightness screen
- ✓ Small modular footprint and format
- ✓ Temperature controlled
- ✓ Full suite of RDM®
- ✓ Ease of integration with 3rd party equipment
- ✓ Smart City Ready



**THINK  
OUTSIDE  
THE  
SCREEN™**

### Custom add ons



**ENVIRONMENTAL MONITORS**  
Measure information on pollution levels, pollen count, traffic flow and noise alerts.



**SMALL CELLS**  
Built-in space to accommodate small cells that can boost local mobile network coverage.

Amscreen offer many product variants. For more information please [contact us](#).

# DS75A Waferlite®

## Full service screen solution

### HARDWARE SUMMARY



#### HIGH IMPACT

Weatherproof, high bright displays bringing content alive whatever the weather



#### EASE OF INSTALL AND MAINTENANCE

Bespoke modular designs and jigs offer fast, non-disruptive installs and maintenance



#### DISTRIBUTION AND SCALABILITY

European production and plug and play design gives speed and flexibility



#### SECURITY AND FUTURE PROOFED

Secure system via encryption and authentication protocols plus ease of leveraging new tech

### SOFTWARE SUMMARY



#### SMART TRACKING AND SENSORS

Smart brightness® and optional audience tracking using leading tracking platforms, such as Quividi



#### HOST INTEGRATION AND REMOTE MANAGEMENT

Integration with host systems such as Ayuda, Scala, Broadsign etc and RDM® provision

### SERVICE SUMMARY



#### RDM® REMOTE SMART MANAGEMENT

Alerts and automated data collection via unique system architecture



#### RDM® REMOTE SMART MAINTENANCE®

Integrated asset management and trouble ticketing to facilitate remote fixes

### SUITABLE FOR



Outdoor bus shelter  
(single or dual sided)



Outdoor free standing  
(single or dual sided)



Outdoor wall mount

### SMART CITY SOLUTIONS

01

#### CONNECTING AND EMPOWERING COMMUNITIES

Creating one smart ecosystem for communities.

02

#### SAFE AND SUSTAINABLE ENVIRONMENTS

Using technology to reduce city growing pains.

03

#### TARGETING AND INSPIRING AUDIENCES

Cutting through the digital noise with powerful data.

For more information about our Smart City Solutions visit [amscreen.com/what-we-do/smart-cities](https://amscreen.com/what-we-do/smart-cities)

# DS75A Waferlite®

## Technical Specifications

Digital Display Panel	
Technology	LCD
Orientation	Portrait operation
Maximum Resolution	3840 x 2160 pixels (UHD)
Viewability	Direct Sunlight Readable
Format	9:16
Display Colours	16.7 Million
Pixel Arrangement	RGB vertical stripe
White Luminance (Typ)	5000 cd/m2 (absolute max ) 3500 cd/m2 (normal operating maximum)
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	<ul style="list-style-type: none"> <li>Automatic Brightness control to adapt screen brightness to ambient light level</li> <li>Smart Brightness® to adapt backlight brightness during certain hours to not exceed a maximum value</li> </ul>
Backlight	LED – automatically turned off when unit accessed Remote re-enablement for increased security

RDM® Smart Maintenance® (Option)	
On-site Serviceability	<ul style="list-style-type: none"> <li>Easy replacement of the LCD panel</li> <li>Easily replacement of control modules e.g. fans, power supplies, PC, router, control units</li> <li>Easy replacement of glass</li> </ul>
RDM® Remote Management	<ul style="list-style-type: none"> <li>Remote data collection associated with PC system, video, brightness, backlight, temperature, humidity, light, fans, router and media player.</li> <li>Alarm exceptions/configuration System configuration/control Asset management</li> </ul>
RDM® Managed Maintenance Service Option	<ul style="list-style-type: none"> <li>Centrally managed maintenance service through Amscreen help desk</li> <li>Trouble ticketing system and process for managing, escalating and resolving issues quickly in order to minimise downtime.</li> <li>Service Level Agreement (SLA) reporting against key operational criteria</li> </ul>
RDM® Predictive Maintenance	<ul style="list-style-type: none"> <li>Advanced warnings of possible failure conditions</li> <li>Usage profiling over time to detect early failure patterns</li> </ul>

Power	
Power Supply	220-240VAC, 50Hz single phase mains.
Battery	Battery backup for clean shutdown on power loss
Power Consumption	Dual Digital = 2050W (Max) / 1265W (Typ @50% brightness) Single Digital = 1250W (Max) / 790W (Typ @50% brightness)
Plinth	Standard plinths available with provision for power distribution
Internal Protection	Mains voltage surge protection and EMC filter. Digital - Optional Power Distribution Assemblies (PDA) *1, *2, *3
External Protection Requirements	Digital - 10A Type C *1 16A Type C *2, *3 Poster - 6A Type B

\*1 UK Power Distribution Assembly (PDA) – No Internal Breaker

\*2 EU Power Distribution Assembly (PDA) – 10A Type C Internal Breaker

\*3 France Power Distribution Assembly (PDA) – 10A Type C Internal Breaker

Enclosure	
Types	Available with additional fixing kits/cladding for:- <ul style="list-style-type: none"> <li>• Bus Shelter installations</li> <li>• Tall free standing units</li> <li>• Short free standing unit</li> </ul>
Digital Glass	9.5mm heat strengthened laminated construction Optically clear low reflective coated face glass. IR filters included
Aesthetics	Various standard cladding available + customizable according to requirements
Ventilation	Top and bottom for simple integration
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
Customisable Branding	Provision for a client logo sticker to be fitted to the metal cladding
Material	Stainless steel/Aluminium

Environmental	
IP Rating	IP55 Weatherproof
Operating Temperature	-20 to +40 deg C
Storage Temperature	-20°C 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
Third Party Management	Contact Amscreen for Third Party remote monitoring integration options
Player PC	Independent i5 or AMD based PC capable of integrating customer player/software. (eg Broadsign/Scala)

<sup>\*1</sup> UK Power Distribution Assembly (PDA) – No Internal Breaker

<sup>\*2</sup> EU Power Distribution Assembly (PDA) – 10A Type C Internal Breaker

<sup>\*3</sup> France Power Distribution Assembly (PDA) – 10A Type C Internal Breaker

Networking	
Connectivity	4/5G connectivity with roaming across mobile networks
Antenna	Low profile hockey-puck mounted discreetly at top of the unit
Local Ethernet	Local web server to aid installation and troubleshooting

Other options	
Energy Meter	Energy monitoring integration
Colours	Customisable options to meet specific needs
Touchscreen	Touchscreen options available – contact Amscreen

## Installation

- Bus shelter integration (subject to static and dynamic loads)
- Transported fully assembled with transport jigs that:
- Secure Wafer displays in transit
- Maximise transport floor area
- Aid on-site/on-ground Wafer installation and manoeuvrability
- Lifting jigs to aid Wafer installation
- Simple installation process minimising on-site installation time

## Security and Vandalism

- Robust materials
- Front-facing heat strengthened laminated glass
- Secure locking to prevent internal access
- Secure encrypted transmission between Wafer displays and central management systems

## Conformance

- CE (RED, LVD, EMC)
- RoHS and WEEE
- IEE Wiring Regulations 17th Edition
- BS EN 12600 and BS EN 356 (Class P3A)



# DS75A Waferlite® Bus Shelter

## Single or Dual Sided

- ✓ High impact versatile sign integrating with existing structures
- ✓ Single (digital) sided display with rear backlit poster option
- ✓ Dual (digital) sided display variant
- ✓ Bus shelter integration
- ✓ Audience analytic HD camera on digital sides
- ✓ Free Standing
- ✓ On-ground and sub-ground mounting
- ✓ High tech lightweight design

## Dimensions\*

Height: 2260mm (above ground)

Width: 1067mm

Depth: 221mm

Note: all dimensions +/-7mm

Weight: TBA

*\*Subject to Requirements*



Amscreen offer many product variants. For more information please [contact us](#).

# DS75A Waferlite® Free Standing Unit

## Single or Dual Sided

- ✓ Super sized sign for maximum high street visibility
- ✓ Single (digital) sided display with rear backlit poster variant
- ✓ Dual (digital) sided display variant
- ✓ Free standing
- ✓ Provision for mains consumer panel
- ✓ High tech lightweight design

## Dimensions\*

Height: 2695mm (above ground)

Width: 1067mm

Depth: 221mm

Note: all dimensions +/-7mm

Weight: TBA

*\*Subject to Requirements*



Amscreen offer many product variants. For more information please [contact us](#).

# DS75A Waferlite®

## Wall Mount

### Single sided

- ✓ Single (digital) sided display with rear mounting bracket
- ✓ Mounts to existing walls
- ✓ Audience analytic HD camera

### Dimensions

Height: 2078mm

Width: 1067mm

Depth: 160mm

Note: all dimensions +/-7mm

Weight: TBA

Including rear bracket

*\*Subject to Requirements*



Amscreen offer many product variants. For more information please [contact us](#).



# Do you have a project that would benefit from our technology?

We want to hear from you. Visit [amscreen.com/contact](https://amscreen.com/contact) to get in touch, or email or call us directly.

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## CONNECT

