

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 brightest 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

DS75A Waferlite® Technical Specifications

Digital Display Panel	
Technology	LCD
Orientation	Portrait operation
Maximum Resolution	3840 x 2160 (UHD).1920 x 1080 pixels (Full HD)
Viewability	Direct Sunlight Readable
Format	9:16
Display Colours	1.07 billion (10 bits)
Pixel Arrangement	RGBW vertical stripe
White Lum'	5000 cd/m2 (Max)
Contrast ratio (Max)	1200:1
Active Area	928 x 1650 mm
DPI	0.429 x 0.429 mm
Viewing Angle (Typ)	Wide viewing angle (+/- 89° at LCD surface)
Front Optical Sensor	Yes - for additional proof of content playout
Brightness	<ul style="list-style-type: none"> 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 ECA access panel opened. Remote re-enablement for increased security

RDM® Smart Maintenance® (Option)	
On-site Serviceability	<ul style="list-style-type: none"> Easy replacement of the DS75A ECA, LCD panel, fans Easy replacement of glass (digital side) on-site
RDM® Remote Management	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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

Power	
Power Supply	220-240VAC, 50Hz single phase mains
Power Access	Via base plinth to accommodate cabling
Power Consumption	<ul style="list-style-type: none"> Digital - Digital (DD) - 1253W (Typical*) @ 3500 cd/m2 Digital - Poster (DP) - 839W (Typical*) @ 3500 cd/m2 (inc. Poster**) Digital - Blank (DB) - 774W (Typical*) @ 3500 cd/m2 <p>*Subject to environmental conditions **Poster nominal 65W plus external loads (Total 1320W Max)</p>
Plinth (to ECA)	IP65 Hirschman connector with support for Aquapacks
Internal Protection	<ul style="list-style-type: none"> Mains voltage surge protection and EMC filter. Digital - 10A Type D MCB
External Protection Requirements	<ul style="list-style-type: none"> Digital - 10A Type D (min) / 16A Type C (max) Poster - 6A Type B
Energy Meter	Integrated as standard

Enclosure	
1-Sided & 2-Sided Variants	<ul style="list-style-type: none"> • Front-side digital outdoor display • Rear-side digital (DD), poster (DP) or blank (DB) options
Types	<ul style="list-style-type: none"> • Bus Shelter Units (BSU) • Free Standing Units (FSU) • Wall Mount Units (WMU)
Digital Glass	<ul style="list-style-type: none"> • 9.5mm heat strengthened laminated construction • Optically clear low reflective coated face glass • Clamped to unit for ease of on-site swap
Poster Door	<ul style="list-style-type: none"> • Fitted with top side hinges for easy removal of the door • Gas struts to control safe opening and closing of door • 6.5mm toughened glass
Ventilation	Located on Top and Bottom to minimise noise
Modular ECA	Dedicated & replaceable Electronic Control Assembly (ECA)
Audience Analytics Camera (Option)	Full HD 1080 x 1920 pixels 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
Material	1.4003 stainless steel, 1050 grade Aluminum, Zintec Electroplated Mild steel

Environmental	
IP Rating	IP55 Weatherproof
Operating Temperature	-20°C to +40°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

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

Further Options – Contact Amscreen	
Third Party Management	Contact Amscreen for Third Party remote monitoring integration options
Cladding	Customisable options to meet specific needs
Colours	Customisable options to meet specific needs
Touchscreen	Contact Amscreen
Aquapacks	IP65 rated Electrical Protection for integration within Plinth
Isolation Switch	Option Isolation Switch for integration within Plinth

Installation

- Bus Shelter Integration (Subject to static and dynamic loads)
- Transported on Transport Pallet
- Modular integration of Plinth and Screen assembly
- Integration options for supporting the bus shelter roof and shelter glass
- Simple installation process minimizing on-site installation time

Security and Vandalism

- Robust materials
- Front-facing toughened laminated glass
- Secure access to ECA and LCD
- Secure encrypted transmission between DS75A Waferlite displays and central management systems

Conformance

- CE (RED, LVD, EMC)
- UKCA
- RoHS and WEEE
- IEE Wiring Regulations 18th Edition
- BS EN 12600 and BS EN 356 (Class P3A)
- EN1090

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

*Physical

UK BSU DD/DB: 2212 (2364mm full) x 1340mm x 225mm +/- 2mm / 340Kg

EU BSU DD CR70: 2212 (2364mm full) x 1370mm x 225mm +/- 2mm / 340Kg

EU BSU DP CR70: 2212 (2364mm full) x 1370mm x 257mm +/- 2mm / 500Kg

EU BSU DP CR71: 2212 (2364mm full) x 1340mm x 256mm +/- 2mm / 500Kg

BSU DD CR88: 2174 (/+100mm) x 1340mm x 222mm +/- 2mm / 340Kg

BSU DP CR88: 2174 (/+100mm) x 1340mm x 222mm +/- 2mm / 500Kg

EU BSU DD CR88: 2174 (/+100mm) x 1370mm x 222mm +/- 2mm / 340Kg

EU BSU DP CR88: 2174 (/+100mm) x 1370mm x 222mm +/- 2mm / 500Kg



***Note:**

1. Lifting Ears add a further 67mm in height from the top of the roof
2. CR88 Optional Addition of 100mm (2 x PFCs) In-Ground Plinth

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

Physical

FSU DD: 2577 (2729mm full) x 1082mm
x 225mm +/- 2mm / 340Kg

FSU DP: 2578 (2730mm full) x 1340mm
x 257mm +/- 2mm / 500Kg

FSU DB: 2577 (2729mm full) x 1082mm
x 225mm +/- 2mm / 330Kg

FSU DI (Touchscreen Side A): 2577
(2729mm full) x 1082mm x 225mm +/-
2mm / 340Kg



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

Physical

Dimensions: 2089mm x 1082mm x

184mm +/- 2mm

Weight (Approximate): 175Kg



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

We want to hear from you. Visit amscreen.com/contact to get in touch, or email or call us directly.

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CONNECT

