



# Smart Screen



The Smart Screen is designed to provide the clearest information and travel updates to people on the move at points of departure and interchange.

The Smart Screen is provided as part of a complete service. Cityspace designs the hardware, the network and the on-screen content and can also take care of installation and on-going management, monitoring and maintenance.

A network of Smart Screens helps authorities and operators present a modern, customer-focused image for many modes of transport - bus, rail, air, coach and taxi.

# The unique benefits of the Smart Screen

## Highest quality information display

Delivers TV-quality services (video, sound, text and graphics) as well as the clearest possible real-time information.

## Improved customer service

A Smart Screen system demonstrates a meaningful commitment to delivering high-quality real-time information services to the travelling public.

## Easy-to-maintain modular design

The design of Smart Screen enables rapid on-site replacement of technology or housing modules, ensuring the maximum time in service for the public.

## Integrated and extendable

Smart Screen systems can complement other Cityspace quality digital transport networks of interactive and broadcast hardware.

## Designed to adapt

The Smart Screen is designed for outdoor use. It is available in a wide range of styles and finishes, and integrates well with new or existing shelters and other structures.

## Wireless connectivity

Using the latest wireless technology means that installation challenges can be greatly reduced, whilst increasing the number and value of the services which can be offered by the Smart Screen.

## Passenger services

First	58	Strathmore	1min
First	36	Houghton Bay	9min
First	185	Mornington	18min
First	58	Strathmore	15:52
15:30 General hits back at claims that			

## Real-time information

The Smart Screen system uses the latest high brightness LCD displays to clearly broadcast real-time information on bus, rail, air and coach arrivals and departures.

LONDON 2012			[Image of a person running]		
148	Camberwell Green	2 mins			
24	Hampstead Heath	5 mins			
15:45 route 341 is diverted in both directions due					

## Useful community information

The system can also be used for promoting events, delivering security messages, explaining fares and delivering community information.

BUSES		11	23	N11
Service update		Route 23		
Diversions due to roadworks in Threadneedle Street until Thursday.				
148	Camberwell Green	2 mins		
24	Hamstead Heath	5 mins		

## Disruption information and alerts

Keep the public informed of any disruptions on the bus, tube and rail networks in real-time, to help them make informed journey choices.

148	Buses towards Camberwell	2 mins	
[Live feed image of bus interior]		Live feed	

## Live CCTV

Using wireless technology and CCTV cameras, passengers can see live views from inside the next bus, while their own security and peace of mind is enhanced by live monitoring of the shelter itself.

## Cityspace services

To take your Smart Screen network from an idea to reality, we offer the Cityspace Essentials package of services. Cityspace Essentials also supports your network with on-going maintenance, monitoring and continuous enhancement.

### Project services

- n Installation - Cityspace has a dedicated team of project managers to ensure efficient and timely installation.
- n Customisation - a number of finishes and designs are available to meet your needs, ensuring your Smart Screen system blends in with your existing infrastructure.
- n Network monitoring and management - Cityspace monitors all Smart Screens, conducts remote maintenance and dispatches maintenance engineers where remote support cannot resolve any technical issues.

### Content development and services

Deploying our in-house skills and unique development framework, Cityspace offers a complete integration service, including:

- n Data feed management - supports data exchange and inputs from a range of RTI systems
- n Presentation management - enables the user interface to be customised to the client's requirements
- n Broadcast network management - to enable the delivery of engaging broadcast content.

## Feature-packed design

The Smart Screen is manufactured from attractive, robust steel and aluminium with plastic or glass and is designed for outdoor use.

*Wireless and fixed line connectivity options (Wi Fi, GPRS, ADSL)*

*Modular design for rapid on site replacement*

*Powerful PC platform to support presentation of rich media content*

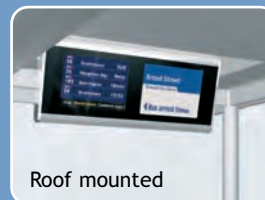
*Text to speech facility*

*Information panel to display timetables, stop, route and operator details*

*High brightness LCD screen to present text, graphics, video in outdoor and indoor locations*



### Choice of configurations



### Customisation options



A range of colours and finishes are offered to fit in with corporate liveries and the immediate surroundings.



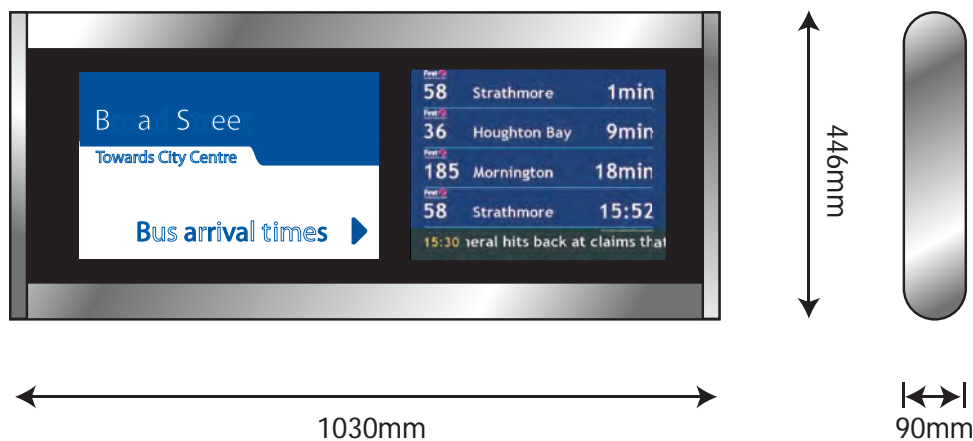
Available with a hood so the product can be used even in the sunniest positions.



A range of shapes can be offered to integrate with your infrastructure design.

# Technical specifications

<b>Broadcast Screen</b>	Hi Bright 17" SXGA LCD TFT panel Brightness 1000 cd/m <sup>2</sup> Contrast ratio 300:1 Viewing area 338mm x 270mm (width x height)
<b>Computer</b>	Processor: Pentium C3 1Ghz Hard disk: 40GB Hard disk Internal memory: 512MB RAM
<b>Communications</b>	Wireless broadband ADSL GPRS
<b>Software</b>	Operating system: Microsoft Windows XP; Network protocol TCP/IP Browser: Microsoft Internet Explorer 6.0 with international language support; Macromedia Flash 6 Player; Local web server IIS v6.0
<b>Physical</b>	Power supply: 220 240V AC 50/60Hz supply Typical power: 150W Operating environment: Fan cooled for typical UK outdoor ( 10C to 40C, <90% humidity). Designed for outdoor operation. Fabric: Mild steel, aluminium and plastic or glass Finish: PPC (Polyester Powder Coat) Dimensions: H 446mm x W 1030mm x D 90mm Clearance required for vents behind case: 45mm (approx.) Weight: 33Kg (approx.) excludes mounting bracket weight, which varies by location type



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