

Case Study

Project	Airport
Installer	Display Manager
Product	SLX-111/SCX-TX550
Location	Essex, UK



The new passenger terminal building at London Southend Airport

Smart-e equipment installed at new UK airport

In April 2012 AV installer company Display Manager Ltd. completed an AV passenger information system in the new airport terminal at London Southend Airport, using Smart-e equipment at its core.

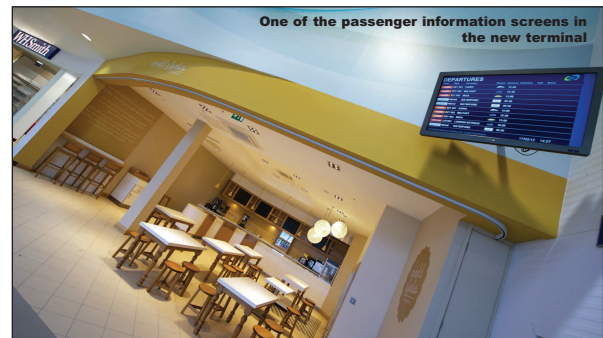
Part of a massive expansion plan for the Essex-based airport owned by Stobart Group, the new passenger 'fly through' terminal - named for its convenience and efficiency - signals completion of the first phase of major development at the regional airport.

the SCX-TX550, and three SLX-RX111 receivers distribute via the same system, pre-security passenger information from a DVD player in the comms. room to three screens located at the security gates.



The new AV system which feeds TV and video signals to an array of screens located across the new airport terminal, features Smart-e transmitter and receiver pairs at its core, to keep passengers informed.

Comprising six Smart-e smartLynx point-to-point universal transmitters (SLX-TX111) and six general purpose receivers (SLX-RX111), the main system distributes TV signals to six screens located throughout the new terminal building, including the Executive Lounge, UK Border Agency and Control Room. Smart-e's smartCast point-to-multipoint transmitter,



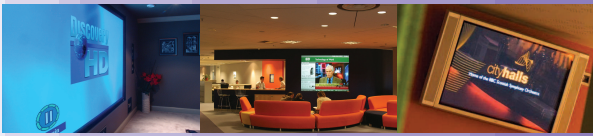
One of the passenger information screens in the new terminal

As Matthew Harrison, regional manager at Display Manager said "When we were contracted to install the audio and video communications within the new terminal, we quickly decided to use Smart-e composite video equipment as it met all the client's criteria. We already had experience of using Smart-e products and knew them to be reliable and provide a cost-effective and compact solution. Distribution via CAT5-8 structured cabling which had already been installed in the terminal, made for easy install as did the 'plug and play' feature which made configuration quick and easy to complete.

He added "We are delighted with the end result. Picture and sound quality is superb and having worked with Smart-e previously, we are confident that the system will continue to work for many years."



The newly constructed railway station (left) and terminal building (right)



smartLynx SLX-TX111 and SLX-RX111

Comprising of a transmitter and receiver, these smartLynx systems from Smart-e can be utilised for a wide range of applications. The SLX-TX111 chosen for this project is a universal transmitter unit for UXGA, RGBS, YUV, Y/C, CVBS and Stereo Audio, providing in-line power, RS232 control options and IR passthrough using Smart-e's IR emitter.

A total of four receiver options are available to use with the SLX-TX111 transmitter. Display Manager chose the SLX-RX111 a general purpose receiver designed for multimedia applications with a range of 100 metres for London Southend Airport. Other options include extending signal distribution length over a cable range up to 300 metres, increased resolutions and 'skew adjust'.

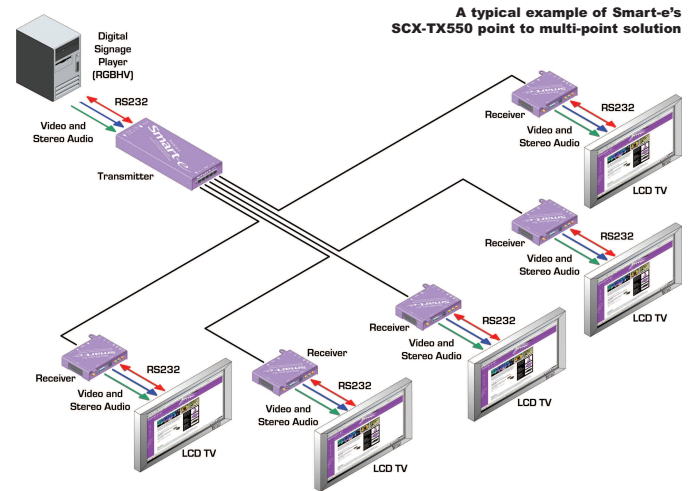


smartCast point-to-multipoint

The SCX-TX550 is a one-to five-transmitter and as the system at the airport distributes to three displays, additional screens can be added at a later date without the need to replace the system. Signals can be transmitted up to 300 metres over CAT5-8 cabling. The unit supports high resolution video up to UXGA (1600 x 1200), RS232 or IR passthrough, is HDTV compatible, features 300MHZ bandwidth and is compatible with line level stereo audio signals. The SCX-TX550 accepts multiple input signals (RGBHV, YUV, Y/C, CVBS), has high ground loop immunity and has built-in lightning, power surge and transient protection.

London Southend Airport

The new terminal at London Southend Airport has allowed the number of travel destinations and passengers to be increased substantially - easyJet now base 3 aircraft at the airport running a schedule of daily flights, with 70 services per week to



Amsterdam, Alicante, Barcelona, Belfast, Faro, Ibiza, Jersey, Malaga and Mallorca. The terminal building has been designed to reduce passenger waiting time with 'no more than four minutes' queuing for security processing, and a 15 minutes 'from plane to train' from the adjacent new railway station. In addition to the new terminal building, the runway has been extended, a new air traffic control tower, railway station (direct trains to London Liverpool Street Station and the Olympics site at Stratford) and hotel



have all been built since Stobart Group purchased the airport in 2008. In total £100 million of private sector funds have been invested in the redevelopment of London Southend, and passenger growth is predicted to reach one million in the twelve months from April 2012 (having processed 47,000 in the previous year).

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