iVENCS CORE +

Display Systems

OVERVIEW

The iVENCS Display Systems module is an integrated application which provides simultaneous and synchronised control of both the audible PA system and visual displays.

The iVENCS Display Systems module provides all of the facilities of the iVENCS Public Address module, but provides these facilities for both audible PA broadcasts and for integrated visual displays. Thus iVENCS provides live speech and free format text messaging, recorded PA messages and associated textual display messages, immediate operator announcements and automated scheduled announcements, and multi-lingual messaging.

The display systems module also provides the facility for automated train or flight PA broadcasts in association to showing the associated train or flight information on Passenger Information Displays.

FOR DIFFERENT DISPLAY TYPES

The iVENCS Display Systems module can drive both full graphic displays and traditional dot-matrix displays. Both display types can be driven by the same system, with the displayed data being automatically formatted for the type of display in each location.

Displays are driven by ASL 'Graphic Display Unit' (GDU) PCs using HDMI or DVI interfaces, while RS485 dot matrix displays can be driven from drivers running on ASL VIPEDIA-12 IP audio routers, providing an integrated PA and display solution using the same hardware for both the audio and visual announcements.

iVENCS can also show infotainment, advertising video and graphics, and web content on the displays.

USER CONFIGURATION

The iVENCS Display Systems module allows the users to configure the layout of each display screen. Users can select which information is shown where on the displays. Typical elements include a site logo, time and date, fixed text such as the screen's location, video and graphics, plus user and automated messaging such as train or flight information and security messages.

iVENCS MODULE

INTEGRATED INFOTAINMENT

iVENCS can also show infotainment, advertising video and graphics, and web content on the displays. The Infotainment Scheduler provides control of the infotainment and advertising display schedule on each of the displays. Advertising campaigns can be created with video advertising playing at configurable intervals or pre-set times for a specific date range across any display zone, or on specific individual displays.

The Advertising Log confirms which content has been displayed on which displays, and when. The logged advertising display times include allowances for times when an advertising video is interrupted by a higher priority announcement. It also allows for times in which a display may be non-operational and not able to display the adverts.

VOICE ALARM INTEGRATION

The Displays System module provides the ability to make both normal operational announcements and to make emergency alert and evacuation announcements. The ASL display drivers all permanently check the status of the local ASL Voice Alarm system, and if an emergency evacuation or alert audio broadcast is made, the whole of the current display screen is then replaced with an appropriate full screen emergency message. And for added reliability, the emergency message display will operate in each display zone even if the display system server has failed or the IP network to the server has failed.

Application Solutions (Safety and Security) Limited
Unit 17 - Cliffe Industrial Estate - Lewes - East Sussex - BN8 6JL - U.K.
Tel: +44(0)1273 405411
sales-control@asl-control.co.uk
www.asl-control.co.uk

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