

iVENCs
CORE +

Passenger Information Systems



overview

The iVENCs Passenger Information Systems (PIS) module provides simultaneous and synchronised control of both the audible PA system and visual PIDS Displays.

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

for different display types

iVENCs PIS 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.

Graphic PIS 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.

user screen editing facilities

iVENCs PIS 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.

workstation display mimic

The iVENCs PIS workstations can mimic any selected display, to show the operators the actual text, video, and graphics currently being shown on that display.

A text-only view of the displayed messaging is also available, and can show the text from a number of selected displays at once.

voice alarm integration

iVENCs PIS 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 then the PIS displays in the Voice Alarm zone will automatically replace the whole of the current display screen with an appropriate full screen emergency message.

The emergency message display will operate in each PIS zone even if the PIS server has failed or the IP network to the PIS server has failed.

integrated infotainment and advertising

The Infotainment Scheduler provides control of the infotainment and advertising display schedule on each of the PIDS Displays. Advertising campaigns can be created with video advertising playing at configurable intervals or pre-set times for a specific date range across any PIS zone, or on any individual displays. The Advertising Log confirms which content has been displayed on which PIDS 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 any display or displays are non-operational and not able to display the adverts.



This equipment is designed and manufactured to conform to the following EC standards:
EMC: EN55103-1/E1, EN55103-2/E5, EN50121-4, ENV50204
Safety: EN60065



Assessed to ISO 9001
LPCB Cert No: C1043