



PA Systems /
Info Pillars

Passenger Information

SYSTEM INFO



ms NEUMANN ELEKTRONIK GmbH

Efficient Solutions for Information and Safety

More Information, Distributed Automatically and Always on Time

The passenger information solutions from ms Neumann Elektronik have been specifically designed to be highly automated and reliable, and to provide information to passengers quickly, precisely and most importantly, always on time.

ms Neumann Elektronik integrates several different information technologies into its PA Systems and Information Pillars. This enables the systems to provide passengers with comprehensive, up-to-the-minute visual and acoustic information, and these systems help to raise the quality and attractiveness of public

transport services throughout the regions they serve.

In today's world, however, passengers want more than just to be better informed – increased safety is becoming an ever more important factor in view of recent events. The passenger information solutions from ms Neumann Elektronik can meet this demand with the capability to integrate video surveillance into its systems to provide increased safety for passengers.



System Benefits at a Glance:

- **Innovative modular and scalable system architecture guarantees a secure investment for the future**
- **Modularly designed Info Pillars**
- **Info Pillars automatically display arrivals, departures and deviations from the regular schedule**
- **Integration of existing terminal devices into an IP network via special interfaces**
- **Increased quality and quantity of the information provided**
- **Increased attractiveness and competitiveness for the public transport system**
- **Controlled from a centralised control centre**
- **Optimised workflow**
- **Individually configurable components (including digital announcement devices, PA systems and IP telephones)**

Visual and Acoustic Information

- All relevant information of interest to passengers is provided both visually and acoustically.

Visual Passenger Information – Displayed Automatically at Every Location

- The Passenger Information Systems from ms Neumann Elektronik receive, automatically and reliably, all of the relevant passenger information data provided by corresponding databases.

This data is then transmitted automatically to the system's modular Info Pillars that provide passengers with an up-to-the-minute display of the information at every location in the station or on platforms where a pillar has been installed. This detailed information can even be automatically transmitted to remote train stops.

For increased safety at station platforms, the Info Pillars can quickly and automatically display and announce such events as deviations from the regular schedule or warnings of possibly dangerous situations.



Acoustic Passenger Information, ELA@GATE – guaranteed efficiency for remote PA announcements



■ ms Neumann Elektronik developed the ELA@GATE system to be a compact PA system distinguished by its unsurpassed versatility. Interfaces built into the ELA@GATE enable it to connect to both ISDN and IP networks. This allows very different communications networks to be integrated into a single overall system.

The ELA@GATE is capable of transmitting voice information to any desired location or PA zone, either fully automatically, semi-automatically or manually. The announcements it generates can be output to Info Pillars and/or conventional loudspeaker systems. When coupled to an appropriate external data source (e.g., train schedule system), the unit is then able to use the data provided by that system to auto-

matically generate and route its announcements.

In addition to producing excellent speech quality, the ELA@GATE also makes it possible to define PA zones very flexibly. A further benefit of the system is that it utilises public communications networks and protocols, thus making it a secure investment in PA technology for the future.

