

MODULES AND COMPONENTS



MS 700 ON-BOARD SERVER

Rugged, high-performance, fanless on-board computer with communication interfaces for dynamic passenger information including the high-speed APIX2 technology for HD video transmission. Design features remote maintenance and system diagnostics and is integrated in VIANOVA's intelligent display units.



QUAD DISPLAY

Featuring permanent self-diagnosis of all the major operating parameters, this innovative display unit comprises four 18.5" HD screen elements for 2 separate independent content channels. A 25° tilt angle ensures perfect readability and its harmonious form and choice of colour enable it to blend in with the vehicle livery.



TWIN DISPLAY

The functionally engineered TWIN display unit has been especially designed for deployment in buses. Installation is by means of retaining bar and both viewing angle and mounting height are freely adjustable. This model is also available as an intelligent unit with a built-in on-board computer.



STRETCHED DISPLAY

Single cast 32:9 display for picture and viewing clarity without a divider bar. Brings fresh impetus to the holistic design of passenger information and entertainment systems and is particularly suited to vehicles with reduced headroom. A large viewing angle and perfectly balanced optical characteristics set this unit apart.



SINGLE DISPLAY

The compact SINGLE display family brings passenger information or entertainment to space-challenging vehicle installations. They feature the same characteristic as both the TWIN and QUAD units, have an efficient low power design and are available as intelligent units with a built-in on board computer.



OUTDOOR STELE WITH 46" DISPLAY

The smart outdoor stele is tailored to sustain all weather conditions. The high bright 2500 cd/m² monitor is protected by a anti-glare, scratch resistant and ball proof glass screen. The modular infotainment computer enables is future proof and there are several extensions available, such as Text-to-Speech, cellular modem, DAB, etc.



OUTDOOR SHOWCASE WITH 21,5" DISPLAY

The smart outdoor showcase is tailored to sustain all weather conditions. The high bright 1200 - 1500 cd/m² monitor is protected by a anti-glare, scratch resistant and ball proof glass screen. The modular infotainment computer enables is future proof and there are several extensions available, such as Text-to-Speech, cellular modem, DAB, etc.



HD PASSENGER INFOTAINMENT

COMPLETE SOLUTION PROVIDER

COMPLETE SOLUTIONS FROM A ONE-STOP SHOP

Hardware, software, training, project management and servicing - all from a single source with a high degree of professional excellence. Our experienced team sets the standards for mobile infotainment systems.

This accolade also applies to the **bitcontrol® LISA** software running on our systems that is responsible for dynamic passenger information, special announcements and infotainment. Integration is seamless from the dispatcher workstation to the display unit in the vehicle - even the connection to depot management systems is supported by the **bitcontrol® LISA** software.

VIANOVA Technologies is DIN ISO 9001 certified and its products satisfy therelevant bus and rail standards such as ECE-R10 and EN50155.

Railway Certified
Hardware

Support and
Engineering

Infotainment
Software

Service and
Maintenance

USEABLE PUBLIC TRANSPORT INFORMATION

Dynamic passenger information, special announcements and direct reporting from the control centre - all live on-board.

Significant operational malfunctions are displayed instantly, without delay, in the targeted vehicle on high-definition display units, which are easily readable even from greater observation distances.

The modular display family from VIANOVA, available for side or ceiling mounting, respects the relevant size restraints of buses and trains and optimally blends into the vehicle's interior design.

SHORTENING THE SUBJECTIVE JOURNEY TIME

When travelling on regional public transportation, passengers appreciate bus and train information together with diverting entertainment.

Up-to-date weather reports, announcements, breaking news etc. appear with text overlays in place of sound so the travelling public is not disturbed.

All aspects of content creation are supported by VIANOVA using the **bitcontrol® LISA** software suite. The workflow for both local and national content is supported giving VIANOVA customers freedom of choice for their most suited media partners.

SYNCHRONIZED WITH THE CONTROL CENTRE

All the major wireless technologies are supported by the onboard VIANOVA computers and intelligent display units.

The rapid transfer of data from the control center via UMTS/LTE, WLAN or DAB/DAB+ for safe high speed yet economic data communication is ensured. This also applies to the infotainment channels, which are transmitted directly to the vehicle via CMS system.

Even interfacing to the vehicle's own on-board computer equipped with the IBIS 2 or IBIS-IP interfaces is trouble-free when using the reliable vehicles server's M12 Ethernet connector.

