

32", 46" LCD MONITOR  
AIRTANK OUTDOOR series

A NEW WAY TO INFORM

# DIGITAL SIGNAGE SOLUTIONS

## AIRTANK LCD OUTDOOR series

### INTEGRATED PC versions:

AIRTANK 32 IP66 - PC 330  
 AIRTANK 46 IP66 - PC 330 - 700  
 AIRTANK 46 IP54 - PC 330 - HB\* 1500 H  
 AIRTANK 46 IP54 - PC 330 - HB\* 1500 V  
 AIRTANK 46 IP66 - PC I3 - 700  
 AIRTANK 46 IP54 - PC I3 - HB\* 1500 H  
 AIRTANK 46 IP54 - PC I3 - HB\* 1500 V

### standard versions:

AIRTANK 46 IP66 - 700  
 AIRTANK 46 IP54 - HB\* 1500 H  
 AIRTANK 46 IP54 - HB\* 1500 V

The monitors have been designed for public information applications in critical environments, such as Railways stations, Bus or tramways stations, Hubs, Subways stations, Public information nad Digital Signage system for outdoor, and generic displays located under critical weather conditions.

These environments require a high protection level to avoid reliability problems generated by dust, water and humidity which can strongly reduce the lifetime and/or the device's functionality.

(\*) HB: High Brightness

frontal PORTRAIT view



Special anodised aluminum alloy structure with an (IP54 or IP66) compliance

## HIGHLIGHTS & PERFORMANCES

### STRUCTURE

- IP66 antivandalic, ruggedised structure, anodized aluminum cabinet, with special internal passive cooling with no external airflow (available on 32"/46" 700 cd/sqm versions)
- special hermetic IP66 multi-connections box for easy inputs connections (available on 32"/46" 700 cd/sqm versions)
- continuous 24/7 operations
- special vertical/horizontal Compass Opening, for easy maintenance (provided by means of a single user)
- special brackets included (only for the 46" models)
- ANTIGLARE (for 700 cd/sqm panel) or SUNSTOP (for 1.500 cd/sqm panel) front laminated protective glasses
- ANTI-CONDENSE proof
- working temperature from -5° up to +35°C, optionally upgradable to -20° by using heater system
- HB High Brightness versions immune from isotropic effect, ready for sun direct application

### SOFTWARE

- theft/vandal shock sensor
- complete STANDARD DIAGNOSTIC SOFTWARE including:
  - overtemperature automatic shutdown
  - ON/OFF control (via RS 232 protocol), controls over internal temperature, fans function (on/off), ambient light sensor (auto-dimming), shock sensor and fans regulation (by means of an optional module)
- complete ADVANCED DIAGNOSTIC SOFTWARE (only over integrated PC i2703 module), and by means of a dedicated SNMP protocol and Checkview local software for diagnostics, including:
  - ambient light control (autodimming),
  - control for internal voltages, backlight, fans status and regulation, shock sensor

### ARRANGEMENTS

- with/without PC module (standard versions)
- internal VGA/HDMI extender (on special project request)

### OPTIONS

- capacitive Touch Screen system
- integrated heater (up to -30°)

side PORTRAIT view

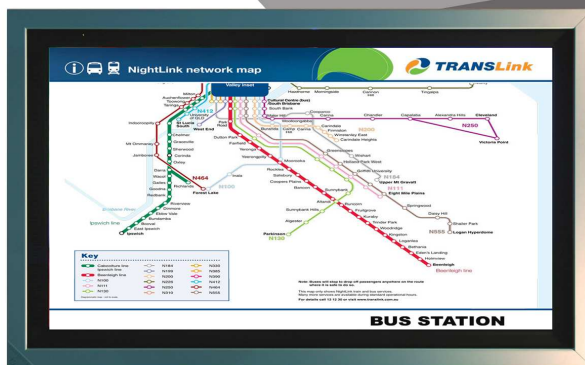


Internal passive cooling with any external airflow exchange available over specific versions

Special Compass-opening, for an easy single user maintenance

frontal LANDSCAPE view

LCD industrial panels for a 24/7 continuous working



ANTIGLARE or SUNSTOP front laminated protective glasses



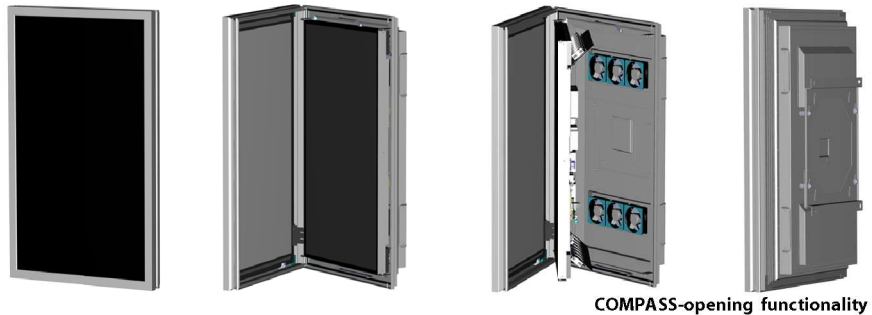
**INTEGRATED PC VERSIONS:**

- AIRTANK 32 PC 330
- AIRTANK 46 PC 330 - 700
- AIRTANK 46 PC 330 - 1500 H
- AIRTANK 46 PC 330 - 1500 V
- AIRTANK 46 PC 13 - 700
- AIRTANK 46 PC 13 - 1500 H
- AIRTANK 46 PC 13 - 1500 V

**STANDARD VERSIONS:**

- AIRTANK 46 - 700
- AIRTANK 46 - 1500 H
- AIRTANK 46 - 1500 V

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COMPASS-opening functionality

AIRTANK Hantarex monitors have a built-in structure, based over a special anodized aluminum alloy cabinet, with hi-protective grade (IP54 or IP66 compliance). The monitors have been designed for public information applications in critical environments, such as:

- Railways stations
- Bus or tramways stations or hubs
- Subways stations
- Public information system for outdoor
- Generic displays located under critical weather conditions

These environments require a high protection level to avoid reliability problems generated by dust, water and humidity which can strongly reduce the lifetime and/or the device's functionality.

The AIRTANK design and structure make these problems swept away. The monitors are armored monitors, boasting, as per its name, a hi-protection level. The monitors are rugged monitors, with a an IP66 or an IP54 protection level. This compliances provide over some versions (the 46" AIRTANK 700 cd/sqm models), the versions to use passive cooling with any external airflow exchange.

Internal air is clean and it does not generate itself any dust or water problems. Of course this leads to big advantages in terms of reliability, safety and device durability.

Hantarex monitors provide an advanced technology able to use high brightness panels even in full sun exposure conditions, without any roof or protection cover.

AIRTANK is then a monitor not only to support critical environmental conditions, but also to be used for Direct Sun applications.

AIRTANK monitor allows the user to substitute every internal parts without unhook the monitor from the wall or ceiling bracket. The special opening system provides a quick and efficient access to the internal components. The special 'compass' opening offers a strong maintenance and inspection phases' reduction and a meaningful ease of intervention: just one service people is requested.

Hantarex monitors AIRTANK use only LCD panels designed for industrial environments with continuous usage 24h per day and 7 days a week (24/7). The other remaining components are as well industrial kinds, with extended temperature range.

Several versions are available with HB high brightness 46" panels (1500 cd/sqm) with IP54 protection degree for Direct Sun applications, and other versions are available with 46" standard brightness (700 cd/mq) with IP66 protection degree for generic Outdoor applications.

The Hantarex AIRTANK monitors are available in two versions, standard and with an Embedded PC module. Among the standard with Embedded PC the user can choose two different PC module types, Type 210 suggested for FIDs/PIDs applications and Type 2703, suggested for Digital Signage applications. The user can optionally ask for a special arrangement with a controller board or a video extender.

Hantarex monitors AIRTANK allow the customer to optionally select a special Touch Screen functionality (capacitive single-touch), and the front frame color as well as for the logo in the desired Pantone selection.

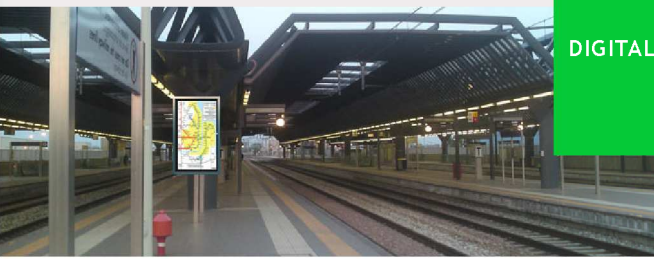
**MONITOR TECHNICAL SPECIFICATIONS**

<b>CASE materials</b>	Anodized aluminum
<b>Protection degree against water and dust</b>	46" e 32": IP66 46" HB: IP54
<b>Mechanical protection degree</b>	IK10
<b>Reference safety standard</b>	EN60950
<b>Maintenance</b>	Hantarex Quick Opening system with compass-opening on horizontal and vertical
<b>External connections</b>	For Airtank 32: power, LAN, USB or other on request For Airtank 46 versions: hermetic multi-connection box
<b>Reference standard for glass</b>	EN356
<b>Protection glass</b>	Laminated, antivandalism, antiglare, antistatic, light transmission coefficient 90%, Sun Stop glass ( for version 46" HB only)
<b>Thermal control</b>	Winter mode Heater to startup at working temperature of min. -20°C (option), Antimoisture devices
<b>Ventilation</b>	Fan automatic control Hantarex special ventilation system with no filters (IP66 versions)
<b>ENVIRONMENT operating temperature</b>	- 5°/+ 35° C (continuous operations 24/7, no heater)
<b>operating temperature with heater</b>	- 20°/+ 35° C
<b>relative humidity</b>	10-90% (no condensing)
<b>DISPLAY Technology</b>	LCD TFT
<b>Dimension</b>	32"-46"
<b>Aspect ratio</b>	16:9
<b>Native resolution</b>	1366x768 pixel (32" e 46" HB) or 1920x1080 pixel (46")
<b>Colors</b>	16 M
<b>Brightness</b>	46" HB: 1500 cd/sqm 46": 700 cd/sqm 32": 450 cd/sqm
<b>Contrast ratio</b>	46" HB: 3000:1 46": 4000:1 32": 3500:1
<b>View angle</b>	178°
<b>Orientation</b>	Horizontal or vertical
<b>Response time</b>	< 8 ms
<b>Support for high brightness</b>	Version 46" HB supporting Sun Direct applications (unprotected sun exposure)
<b>CONTROLLER</b>	For MONITOR ONLY versions (suggested for INPUT VIDEO applications)
<b>Video interface</b>	Analog (VGA, D-Sub 15 pin), digital (DVI-I and HDMI)(internal connections for versions with PC330, external connections for versions with monitor only)
<b>Control</b>	Serial port (9 pin Dsub ) IR remote control, serial protocol for controlling video parameters, ambient light automatic control (autodimming)
<b>Video control</b>	Via OSD (brightness, contrast, color, sharpness, various zooms, autoadjust, dimming, autodimming)
<b>Screen saver</b>	Presetable (blue screen, pixel shift, wiper, gray background)
<b>Timer</b>	Presetable for internal time, wakeup, sleep
<b>STANDARD DIAGNOSTICS</b>	- overtemperature automatic shutdown - ON/OFF control (via RS 232 protocol), controls over internal temperature, fans function (on/off), ambient light sensor (auto-dimming), shock sensor and fans regulation (by means of an optional module)
<b>CONTROLLER</b>	For versions with PC, suggested for DIGITAL SIGNAGE applications
<b>Video interface</b>	Digital (LVDS)(internal connections)
<b>Control</b>	Serial port (9 pin Dsub )
<b>Video control</b>	via lan, local program for controlling monitors parameters, ambient light automatic control (autodimming)
<b>ADVANCED DIAGNOSTICS</b>	complete ADVANCED DIAGNOSTIC SOFTWARE (only over integrated PC 2703 module), and by means of a dedicated SNMP protocol and Checkview local software for diagnostics, including: - ambient light control (autodimming), - control for internal voltages, backlight, fans status and regulation, shock sensor

COMPUTER type 210 for FIDs/PIDs applications	COMPUTER type 2703 for DIGITAL SIGNAGE applications
<b>CPU</b> Intel Atom N270 1.6 Ghz	<b>CPU</b> Intel Core i3 M330 2.13 Ghz
<b>RAM (default)</b> 2 Gb	<b>RAM (default)</b> 2 GB
<b>non volatile GRAPHICS</b> SSD -16 Gb /HDD 250 Gb 1920x1080 pixel Digital Internal	<b>non volatile GRAPHICS</b> SSD up to 16 Gb / 250 Gb HDD 1920x1080 pixel Digital Internal
<b>LAN</b> GigaEthernet 10/100/1000	<b>LAN</b> GigaEthernet 10/100/1000
<b>WLAN</b> 802.11 g/n (option)	<b>WLAN</b> 802.11 g/n (option)
<b>other connectivity</b> on request	<b>other connectivity</b> on request
<b>interaction</b> keyboard/trackball wireless	<b>interaction</b> keyboard/trackball wireless
<b>operating system</b> Windows XP embedded	<b>operating system</b> Windows 7 embedded

DIGITAL SIGNAGE

**No Limits for Digital Signage**





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