

Studio für audiovisuelle Präsentationslösungen

Siebengebirgsblick 5 · 53343 Wachtberg-Villip
Tel: 0228 - 31 10 55 · Fax: 0228 - 31 78 61
info@eberle-av.de · www.eberle-av.de

32", 46" LCD MONITOR
AIRTANK OUTDOOR series

A NEW WAY TO INFORM

DIGITAL SIGNAGE SOLUTIONS

AIRTANK LCD OUTDOOR series

A complete range of Hi-Protective grade monitors for Public Information

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 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.

frontal PORTRAIT view



Special anodised aluminum alloy structure with an (IP54/ IP65) compliance

HIGHLIGHTS & PERFORMANCES

STRUCTURE

- antivandalic, ruggedised structure, hermetic anodized aluminum cabinet, special internal passive cooling with no external airflow
- continuous operations 24/7
- special vertical/horizontal compass opening, for easy maintenance, provided only by a single user
- special brackets included
- ANTIGLARE or SUNSTOP front laminated protective glasses
- ANTI CONDENSE proof
- Working temperature from 0° up to +45°
- HB High Brightness versions immune from isotropic effect, ready for sun direct application

SOFTWARE

- complete diagnostic software, including controls over internal temperature, voltage and fans
- ambient light control
- triple level temperature sensor

ARRANGEMENTS

- internal VGA extender (on request)
- PC motherboard (among standard versions)
- controller for FIDS or Digital Signage

OPTIONS

- integrated heater (up to -40°)
- capacitive Touch Screen system
- Anti Vandal / Theft sensor

side PORTRAIT view

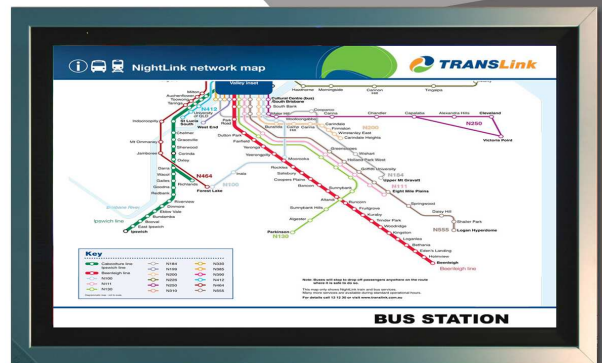


Internal passive cooling with any external airflow exchange available over specific versions

Special Compass-opening, for an easy maintenance

frontal LANDSCAPE view

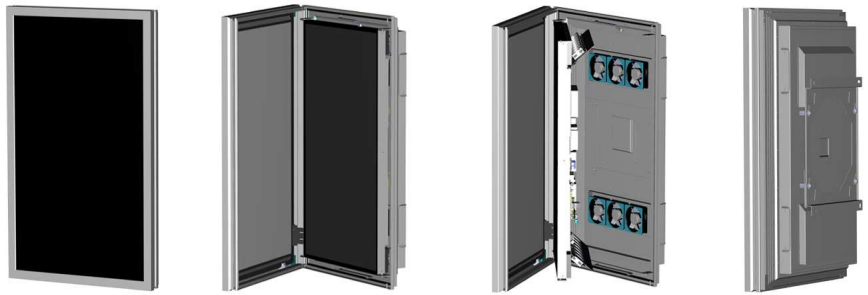
LCD industrial panels for a 24/7 continuous working



ANTIGLARE or SUNSTOP front laminated protective glasses



AIRTANK LCD OUTDOOR series



AIRTANK Hantarex monitors have a built-in structure, based over a special anodized aluminum alloy cabinet, with hi-protective grade (IP54/66 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, boasting an **IP65/66** or an **IP54** protection level. This compliances provide 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 **high brightness 46" panels (1500 cd/sqm) with IP54 protection degree** also for Direct Sun applications and other versions are available with **32" and 46" standard brightness (700 cd/mq) with IP65/66 protection degree** for applications with partial or full covering. The Hantarex AIRTANK monitors are available in two versions, standard and with an integrated PC board. 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)**, and the front frame color as well as for the logo in the desired Pantone selection.

AIRTANK STANDARD model include the **PC integrated** and the **standard** ones.

COMPASS-opening functionality

Technical Specification Monitor

	Case	
	Materials	Anodized aluminium
Protection degree against water and dust	46" e 32": IP66 46" HB: IP54	
Mechanical protection degree	IK10	
Reference safety standard	EN60950	
Reference standard for glass	EN356	
Maintenance	Hantarex Quick Opening with window opening on horizontal and vertical	
External connections	Power, LAN, USB or other on request Hermetic multiconnection box	
	Monitor	
	Technology	LCD TFT
	Dimension	32"-46"
	Aspect ratio	16:9
	Native resolution	1366x768 pixel (32" e 46" HB) or 1920x1080 pixel (46")
	Colors	16 M
	Brightness	46" HB: 1500 cd/sqm 46" : 700 cd/sqm 32" : 450 cd/sqm
	Contrast ratio	46" HB: 3000:1 46" : 4000:1 32" : 3500:1
	View angle	178°
	Orientation	Horizontal or vertical
	Response time	< 8 ms
	Video interface	Analog (VGA, D-Sub 15 pin), digital (DVI-I e HDMI) (internal connections), CVBS, SVideo, Component
	Protection glass	Laminated, antivandalism, antireflective or antiglare, antistatic, light transmission coefficient 90%
	Support for high brightness	Version 46" HB supporting Sun Direct applications (unprotected sun exposure)
	Control	Serial port (9 pin Dsub) (internal connection) IR remote control
	Video control	Via OSD (brightness, contrast, color, sharpness, various zooms, autoadjust)
	Screen saver	Presetable (blue screen, pixel shift, wiper, gray background)
	Thermal control	Winter mode Heater to startup in low temperature (opzionale) Antimoisture devices
	Ventilation	Fan automatic control Hantarex special ventilation system with no filters (IP66 versions)
	Timer	Presetable for internal time, wakeup, sleep
	Diagnostics	Overtemperature automatic shutdown Monitor's status control Threshold based temperature control Shock sensor Backlights control Control of internal voltages
	Other	
MTBF (medium time between failures)	> 50000 hrs	
MTTR (medium time to repair)	< 30 min	
Power supply	110-240 Vac	

Technical Specification - PC module

Computer	Versions CPU Intel Atom 330 or Intel i3
RAM	2 GB
Non volatile memory	HDD or Solid State HD up to 16 GB
Graphics	Graphics Resolution up to 1920x1080 (internal connection)
LAN	GigaEthernet
WLAN	802.11 g/n (option)
Other connectivity	On request
Interaction	Tastiera/trackball wireless (option)

Operating temperature range -20°/+40° C
 Operating relative humidity 10-90% (no condensing)
 Heater options for temperatures between -20° and -30°

DIGITAL SIGNAGE

No Limits for Digital Signage

www.hantarex.eu

SAMBERS

I T A L I A

Headquarter:

via Friuli 10/D
20046

Biassono (Mi)

tel. +39.039.2224.1

fax +39.039.2224.200

www.hantarex.it

info@hantarex.it

cat. ver. april 2011



UNI EN ISO 9001:2008