

DIGITAL SIGNAGE SOLUTIONS

AIRTANK LCD IP66 MONITOR series

A NEW WAY TO INFORM

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A complete range of Hermetic IP66 monitors for Public Outdoor Information



Hantarex monitors AIRTANK IP66 are fully hermetic monitors built-in over an anodized aluminum based structure. 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 IP66 design and the structure make these problems swept away. The monitors are rugged monitors, boasting, as per its name, an IP66 protection level. IP66 compliance provide the monitors to use passive cooling with any external airflow exchange. Internal air is clean and due to any external air exchange, 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 AIRTANK IP66 do not require an ordinary maintenance due to the complete absence of airflow openings (that have to be freed from dust) and any protection filters (that need to be substituted every 2-3 months). The cost of dust removing is then completely saved and overall maintenance costs are minimized.

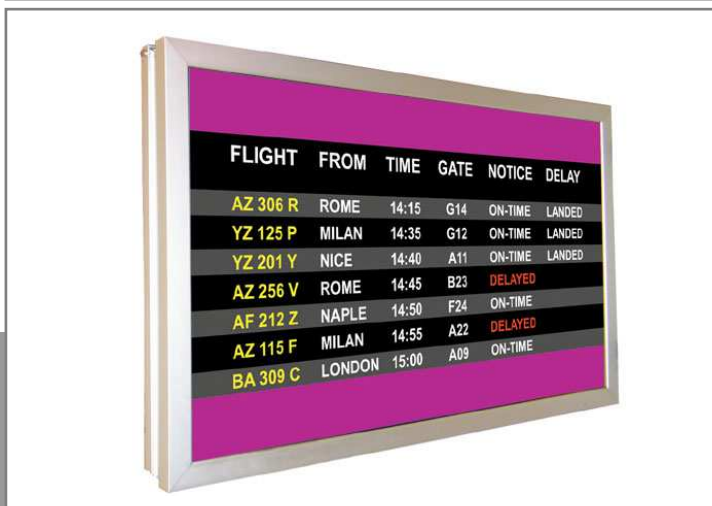
AIRTANK IP66 monitor allows the user to substitute every internal parts without unhook the monitor itself. The special opening system provides a quick and efficient access to the internal components. The special 'compass' opening offers a strong maintenance and inspection phases' reduction and a meaningful ease of intervention: just one service people is requested.

Hantarex monitors AIRTANK IP66 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.

Hantarex monitors AIRTANK IP66 include versions with 46" high brightness (1500 cd/mq) panels. The brightness can be also improved up to 2000-2500 cd/m2 with special surface treatments. Applications for high brightness environments are then fully supported.

Versions of Hantarex monitors AIRTANK IP66 will be provided for 32"-42"-46" display.

Hantarex monitors AIRTANK IP66 allow the customer to select the color for the front cover as well as to insert its logo in the desired Pantone color.



Technical Specifications

Specifications for the case

Material
Protection against dust and water
Protection against mechanical shocks
Reference standard for security
Reference standard for glass
Maintenance

Direct connections
Power supply and LAN

Anodized extruded aluminum
IP66
IK10
EN60950
EN356
Special Quick Compass Opening with window opening (horizontal and vertical)
through IP66 connectors

Specifications for monitor section

Technology
Dimensions
Aspect ratio
Native resolution
Colors
Brightness
Contrast ratio
Viewing angle
Orientation
Response time
Lock frequency:
Horizontal
Vertical
Video interface

Protection glass

High brightness support

Control

Video control

Screen saver

Thermic control

Ventilation

Timer

Diagnostics

LCD TFT
32" - 42" - 46"
16:9
1366x768 pixel (WXGA) or 1920x1080 pixel (FHD)
16 M
up to 1500 cd/m2
up to 4000:1
178°
Horizontal or vertical
< 8 ms
31-38 kHz
50-120 Hz
Analog (VGA, D-Sub 15 pins) and digital (DVI) (internal connections)
Laminated, antivandalism, antireflective, antistatic, light transmission coefficient > 90%
Versions with high brightness 46" (1500 cd/m2)
Surface treatment for high brightness applications (optional)
Serial port (Dsub 9 pin) (internal connection)
IR Remote Control
Through OSD (brightness, contrast, color, sharpness, zooms, autoadjust)
Automatically presettable (blue screen, pixel shift, wiper, gray background)
Winter mode
Heater for low temperature startup (optional)
Automatic management cooling fans
Hantarex internal airflow system with no filters
Presettable for internal time, wake up, sleep
Automatic switch off in case of over temperature
Analysis of monitor's status
Threshold based temperature control
Shock sensor (optional)
Backlight control
Continuous control over internal voltages and currents

Specifications for computer section

CPU
RAM
Non volatile memory
Graphics

LAN
WLAN
Altra connettività
Interactivity

Various Intel compatible models
Up to 2 GB DDR2
DOM 4-8 GB or Solid State HD up to 16 GB
Intel GMA, resolution up to 1920x1080 pixel (internal connection)
GigaEthernet 10/100/1000
802.11 n (optional)
On request
Wireless keyboard/trackball

Environmental

Operating temperature range
Operating humidity

-20°/+40° C
10-90% (no condensing)

Other

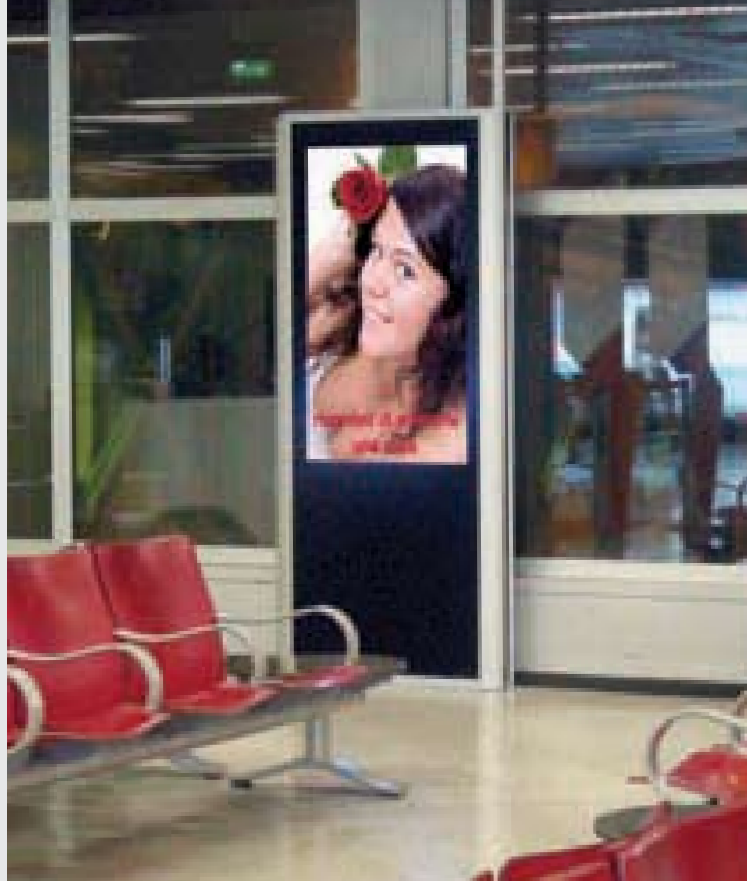
MTBF (medium time between failures)
MTTR (medium time to repair)
Power supply

> 50000 ore
< 30 min
110-240 Vac

DIGITAL SIGNAGE

No limits

www.hantarex.com



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