

LISBON, PORTUGAL - CUF DESCOBERTAS HOSPITAL



## MONITOR

SIZE 32". 42". 46". 57". 70". 82"



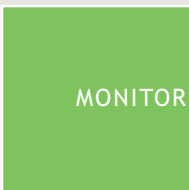
CONTENTS AVAILABLE 24/7



MONASTIR, TUNISIA - HABIB BOURGUIBA INTERNATIONAL AIRPORT

The **Digital Signage** range monitors open a new era of visual communications optimizing the efficiency and quality of work in any application and in any sector. Excellent image quality and large screens, **HANTAREX** monitors dedicated to **Digital Signage** are the ideal solution of applications where image quality and perfect viewing are fundamental.

## HORIZONTAL



MONITOR HORIZONTAL CONFIGURATION  
LANDSCAPE MODE



32"



42"



46"



57"



70"



82"

## APPLICATIONS

## WHERE?

## IN AIRPORTS AND STATIONS

The image sharpness and perfect readability of the text displayed on these monitors give passengers the latest information about arrivals and departures.

## IN RESTAURANTS

The high definition and reliability of the various types and models of the range allow daily specials or offers to be shown easily and clearly.

## IN BANKS

For high brightness and great contrast in daylight and no 'burn-in' effect after still images and/or detailed text is displayed.

## IN CONFERENCE HALLS

To improve communication and presentations in meetings thanks to lively colors and vivid images.

## IN RECEPTION HALLS

They allow you to present your brand and your organization to visitors with high quality images and clips.

## MALLS

To offer the possibility of unlimited publicity and innumerable ways to communicate efficiently.

## & EASY DISPLAY NETWORK

All HANTAREX MONITORS can have the new 'Network Neptune' function upon request. This is a card/player that allows a "network" of monitors, called Clients, to be set up without a PC embedded in each single display/client for programming and content management.

*(see page 62)*



## RETAIL COMMUNICATIONS

Exceptional image quality with Full HD of 1,920 x 1,080 pixel resolution make the communications a realistic and productive experience.



LISBON, PORTUGAL - LUSOMUNDO CINEMAS MÚLTIPLEX SAPO

Do you want to improve your visual communications? Get an advantage with a new tool.

Display publicity and information with **VERTICAL** monitors from **HANTAREX**. HANTAREX monitors dedicated to Digital Signage can be used also for vertical applications as a high resolution sign for airports, stations and malls.



## VERTICAL

VERTICAL CONFIGURATION MONITOR  
PORTRAIT MODE



32"



42"



46"



57"



70"



82"

## APPLICATIONS FOR WHAT?

### EVENTS AND SHOWS

To supply information to spectators in all the various angles to the screen keeping all of them entertained.

### MEETINGS

To transmit visual messages to management. Also from a distance and in very bright light, HANTAREX monitors do not lose the liveliness of the colors and the sharpness of the images.

### RAILROAD INFORMATION

To display all the detailed information on just one screen helping passengers find their destination with animation and visual effects. These monitors ability to display images and text clearly without blurred areas are the clear difference between them and their competitors.

### DESIGNING WITH A TEAM

To share the entire design process as well as "visualize" all the details of the more components and the more sophisticated designs. With the large LCD monitors, everyone is able to see and examine the design from any angle.

## & IMAGE QUALITY

HANTAREX high resolution monitors of the **Digital Signage** range clearly display detailed information that comes from any source.



LISBON, PORTUGAL - ASTON MARTIN FLAGSHIP STORE



MILAN, ITALY - MONDADORI INFORMATICA CHAIN SHOP, MALPENSA INTERNATIONAL AIRPORT

### THE ADVANTAGES OF HIGH DEFINITION

One screen with a resolution of 1920 x 1080 pixels allows better viewing reducing the need to scroll.

OUTDOOR & INDOOR



MILAN, ITALY  
DIOR CORNER SHOP,  
MALPENSA INTERNATIONAL AIRPORT

## CUSTOM INSTALLATIONS

### MUNICIPALITIES AND SERVICES

- Transportation
- Hospitals
- Centralized energy
- Port authorities
- Public Parks
- Service Areas

### URBAN FURNISHINGS

- Bus stop
- Information booths-News stands
- Telephone booths
- In-Store Displays
- Interactive show cases
- Outlet information

### TRANSPORTATION

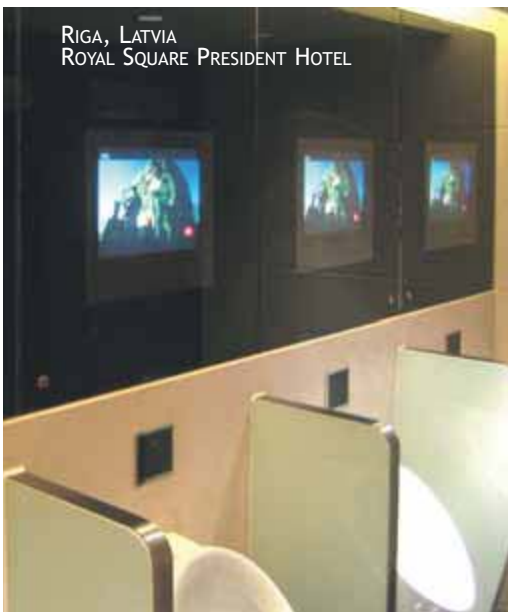
- Publicity in the transit zones of airports and train and subway stations

### OUTDOOR SIGNAGE APPLICATIONS

- Stadiums, sport centers, golf courses, beach resorts, ski resorts, Outdoor events



RIGA, LATVIA  
ROYAL SQUARE PRESIDENT HOTEL



RIGA, LATVIA  
ROYAL SQUARE PRESIDENT HOTEL



## LCD 19" SDB HOTEL TV

For specific Luxury Contract and Customised integrated solutions, such as Hotels, Restaurants, Shops and Show Rooms, Hantarex has developed a special Hotel TV 19" LCD display, which can be completely embedded in the wall, and due to its structure (open-frame back configuration), it can be aligned to the wall layer allowing the installer to insert the display in the wall with water-proof compatibility. The display has an enlarged front crystal glass, available in black or mirrored furnishing, which can be perfectly aligned within the vertical front glass layer (as in the bathroom picture), of a designed environment.



### The most important functionalities includes:

- Water-proof compatibility
- Frontal Speakers (hidden behind the glass)
- HD ready function
- HDMI connections
- Double tuner (Analogic + DVB-T Free to Air)
- Radio FM
- Hotel Mode

The 19" LCD SDB Hotel TV display is the ideal choice for those special contract embedded solutions (with special mention for bathroom locations), in which water-proof functionality is accompanied with Hotel Mode, FM Radio and cutting edge luxury design.

## BROADCASTING APPLICATIONS

SIZE 32". 42". 46". 57". 70". 82"



### FULL HD RESOLUTION

HANTAREX monitors' original resolution is 1,920 x 1,080 pixels, which means the impact is dynamic with realistic colors, clear images and perfectly readable text on a large screen. The monitors are able to receive a signal from 1,080p from the start for both the analog and digital input from a PC that is the source of HD video through a DVI (HDCP compatible) interface. The special **Front Filter** on all HANTAREX monitors dedicated to Digital Signage reduces reflection from the screen.

# THE MONITORS RANGE

TOTAL DISPLAY SOLUTIONS

MONITOR

HANTAREX high resolution monitors are available in three versions and they are available in various models and functions. The Ranges,

- QUADRO
- SQUARE
- OUTDOOR

have been created to satisfy all the needs for video information applications for heavy traffic that require an integrated system of monitors with special technologic characteristics. These monitors are able to communicate with a centralized data base that manages data and information remotely, simply and directly. The monitors in this range can be integrated with a centralized system depending on the type of rapid connection systems and are an excellent compromise between quality, functionality and cost.

## TECHNICAL ADVANTAGES

### NO FAN AND AN INTEGRATED HEAT SENSOR

These monitors have been designed to guarantee ventilation and heat dissipation without a fan, which often makes noise and accumulates dust. When the temperature inside these monitors rises for any reason, the monitors automatically control the rear illumination system, maintaining it below the maximum operating temperature. Therefore, the monitor automatically goes to standby mode when the internal temperature is higher than the optimum operating temperature.

### CABINET WITH METAL REAR AND HANDLE

These monitors are housed in a metal cabinet with a sturdy rear panel and with handles to transport the monitor. These monitors also have mounting holes that conform to VESA specification, so the monitors can be mounted to standard wall brackets that can be bought in a shop.

### DESIGNED FOR PROFESSIONAL USE

The sturdy cabinet and the well chosen components guarantee reliability even in applications that require prolonged use, for example: point of sales communications, external publicity, mass transit and security monitoring.

### ANTIREFLECTION TREATMENT

The optional antireflection treatment, ample wide angle viewing, notable brightness and high contrast are factors that optimize the image quality also in very bright light.



OUTDOOR & INDOOR

# QUADRO



## QUADRO LCD Full HD, DID HD, HI-BRIGHT FHD

QUADRO LCD 32" HD  
QUADRO LCD 42" Full HD  
QUADRO LCD 46" HD  
QUADRO LCD 46" DID HD HI-BRIGHT  
QUADRO LCD 46" Full HD  
QUADRO LCD 57" Full HD  
QUADRO LCD 70" Full HD  
QUADRO LCD 82" Full HD

This range, in various sizes and functional models, has the **QUADRO** style and is available with special functionalities in the following versions:

- **STANDARD** base version
- **RPC3** with Embedded PC (Mini ITX PC)
- **PLAYER NEPTUNE NETWORK** to manage programming and display content in the various modes
- With optional **SCREEN PROTECTION/ANTIREFLECTION**
- **TOUCH SCREEN OPTIC** version

This range, in various sizes and functional models, has the **QUADRO** style and is available with in the following VERSIONS:

- **STANDARD** base version
- **RPC3** with Embedded PC (Mini ITX PC)
- **PLAYER NEPTUNE NETWORK** to manage programming and display content in the various modes
- With optional **SCREEN PROTECTION/ANTIREFLECTION**
- **TOUCH SCREEN OPTIC** version

This range has been expressly designed and re-built for particular video information installations such as airports, train stations, trade shows, museums, hotels, malls, etc. The LCD monitors in this range are one of the most significant and innovative professional solutions, because the various models can be modified, each one has the functionalities required by the situation, which changes with areas with heavy traffic or the **Digital Signage** application.

Besides the **STANDARD** version there are all the basic connections and functionalities such as the possibility to connect all the monitors in Loop-Through, the range has a special model with an **Embedded PC Rack (RPC3)**, which includes an integrated Embedded PC (Mini ITX PC), or the integration of a **NETWORK NEPTUNE card/player**.

Both models can manage programming and display content according to the various modes. The PC's characteristics can be chosen from the system integrator, configured to manage content locally and automatically display data and images.

The PC is inserted in the monitor cabinet and can be easily extracted by sliding it from the rear of the cabinet.

In case an integrated PC is not necessary, the 'NETWORK NEPTUNE' card/player allows you to manage the **Digital Signage** programming and/or content easily and remotely. Each card can have a solid SDD or a simple HDD memory.

For a complete description of the 'NETWORK NEPTUNE' card, see page 62.

Also this range can be supplied as special model/functionality with a special **Antireflection FILTER** that eliminates any problems caused by very bright light.

Last, but not least the **QUADRO** range is also available in the special model with **Optic Touch Screen** functionality, that allows an even more interactive usability of **Digital Signage** or general info/advertising contents. **Hantarex's** ability to give professional and personalized solutions is highlighted also in this range of products.

In fact, it is possible to personalize the configuration of the software and hardware of the PC integrated in the monitor as well as the structure and style of the monitor itself.

## STRUCTURAL ADVANTAGED

The reinforced aluminum structure, engineered to guarantee the best quality and reliability, responds to the IP categories and all the parameters can be checked with a simple RS 232 interface.

Particular video information applications are also available upon request, for example: large LCD screens of 57", 70" and 82" that have a resolution of 1920x1080 pixels and extremely high contrast and brightness, not to mention the possibility to have an integrated PC as in the smaller versions.

## QUADRO LCD/FULL HD RANGE MONITOR

- QUADRO LCD 32" HD
- QUADRO LCD 42" Full HD
- QUADRO LCD 46" HD
- QUADRO LCD 46" DID HI-BRIGHT
- QUADRO LCD 46" Full HD
- QUADRO LCD 57" Full HD
- QUADRO LCD 70" Full HD
- QUADRO LCD 82" Full HD



# OUTDOOR

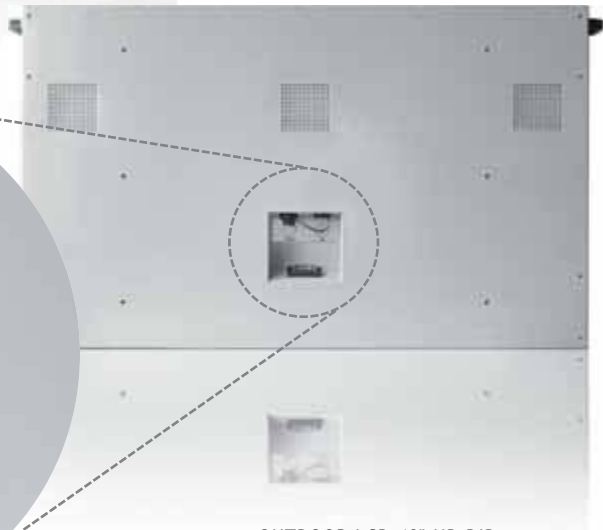


## HIGHLIGHTS

Impressive picture quality: Full HD  
Ideally suited for various indoor and outdoor installations as well as 24/7 applications  
Extensive input & output terminals  
Network integration (optional) for maintaining and controlling the monitor on the LAN

## WATERPROOF

Robust Stainless Steel extra strong, sealed cabinet  
Input board protection  
Reinforced ventilation  
Anti front-condensating system  
Built in Rack PC configuration  
Antireflective crystal  
PC service portal  
Easy Service & Maintenance, without any cabinet, removal  
Optional Transreflective electronics and panel, in case of direct sunrays  
Optional Built in Heaters



OUTDOOR LCD 40" HD DID  
OUTDOOR LCD 42" HD TRANSFLECTIVE  
COMING SOON:  
OUTDOOR LCD 46" HI-BRIGHT 1.500 CD/M

## WATERPROOF OUTDOOR MONITOR

HANTAREX Outdoor range of monitors are picture-perfect even at critic temperatures of up to -20 °C or in adverse weather conditions, such as rain, high degree of humidity and high presence of dust.

Advanced technology such as sunlight-readable functions, like the availability of several LCD panels types, provided of different brightness of transfective functionalities, ensure that even direct exposure to sunlight does not reduce the picture quality.

The Outdoor range is fully protected against adverse weather and location conditions and corresponds to protection class IP54 (upgradable till IP65). This ensures that these units can withstand all types of weather.

Even at temperatures as low as -20 °C, the LCD screens provide a razor-sharp HD\_Full HD quality picture at all times, making them perfectly suited for all seasons.

Protection against vandalism and theft is of particular importance when it comes to installations in public places.

The Outdoor monitor are equipped with special protective front crystal, which is much stronger than normal glass used in the production of standard monitor surfaces. In addition, this glass is non-reflective and the information displayed can be read even from acute angles.

The monitor housing made from aluminium is rust, stain and the coated painting is scratch-resistant, making it exceptionally robust.

## HEATERS

The optional heaters work automatically in the following way: when the monitor is switched up in a freezing morning, the built-in electronic device does not switch the monitor ON immediately, but just the heaters.

Built in sensors constantly analyze the internal temperature and, as soon as a perfect working temperature has been reached, automatically switch the heater OFF, and the monitor ON.

In 24/7 working conditions the heaters are not required, since constant electronics' running maintains temperature above 0°.

OUTDOOR LCD 40" HD DID  
 OUTDOOR LCD 42" HD TRANSFLECTIVE  
 COMING SOON:  
 OUTDOOR LCD 46" HI-BRIGHT 1.500 CD/M



## VANDALIC proof and TAMPER proof

Double laminated front 6+4 mm protective glass  
 Reinforced front frame  
 Reinforced back cover  
 Sliding Rack PC, which allows to extract/service the Rack PC itself without any cabinet removal from the installation  
 Special availability of panel changing or updating, without any cabinet substitution  
 Special availability of front protective crystal changing



## TECHNICAL DATA

### PRODUCT NAME:

### QUADRO LCD 32" HD MON/RPC3

### QUADRO LCD 42" FHD MON/RPC3

DISPLAY PANEL	QUADRO LCD 32" HD MON/RPC3	QUADRO LCD 42" FHD MON/RPC3
<b>DISPLAY PANEL</b>	<p>Screen size: 32" (81 cm) diagonal                      Aspect Ratio: 16:9                      Resolution: 1366 (H) x 768 (V) pixels                      Pixel pitch: 0.51 (H) x 0.51 (V) [mm]                      Useful screen: 697 (H) x 392 (V) [mm]                      Brightness: 450 cd/m<sup>2</sup> (typical)                      Contrast ratio: 4,000: 1 (typical)                      Viewing angle: 178° (in all directions)                      Colors: 16.7 Mil                      Response time: 8 mSec                      Front protective filter (optional): Tempered glass;                      Laminated antivandalic anti-reflective glass, light transmission &gt; 90%</p>	<p>42" (107 cm) diagonal                      16:9                      1920 (H) x 1080 (V) pixels                      0.16 (H) x 0.48 (V) [mm]                      930 (H) x 523 (V) [mm]                      500 cd/m<sup>2</sup> (typical)                      4,000: 1 (typical)                      178° (in all directions)                      16.7 Mil                      6,5 mSec                      Tempered glass;                      Laminated antivandalic anti-reflective glass, light transmission &gt; 90%</p>
<b>CONNECTIONS</b>	<p><b>Video:</b> 1 x RCA [CVBS1, input only]                      1 x RCA [CVBS2, input only]                      1 x mini DIN 4 pin [Y/C, input only]                      3 x RCA [YPbPr, input only]  <b>PC:</b> 1 x Dsub-15 HD [Analog RGB, input]                      1 x DVI-D [Digital RGB, input]  <b>HDMI:</b> 1 X HDMI [Audio e Video con HDCP, input only]  <b>Audio:</b> 2 x RCA [CVBS1 stereo input]                      2 x RCA [CVBS2 / S.Video stereo input]                      2 x RCA [Component stereo input]                      1 x jack 3.5 mm [PC stereo input]                      Power stereo output, speakers [clinch]  <b>Control:</b> 1 x Dsub-9 female [Input]                      Local Key Board                      Remote control</p> <p><b>Loophthrough unit</b></p> <p><b>PC:</b> 1 x Dsub-15 HD [Analog RGB, output](optional)                      1 x DVI-D [Digital RGB, output](optional)  <b>Control:</b> 1 x Dsub-9 female [output](optional)</p>	<p>1 x RCA [CVBS1, input only]                      1 x RCA [CVBS2, input only]                      1 x mini DIN 4 pin [Y/C, input only]                      3 x RCA [YPbPr, input only]                      1 x Dsub-15 HD [Analog RGB, input]                      1 x DVI-D [Digital RGB, input]                      1 X HDMI [Audio e Video con HDCP, input only]                      2 x RCA [CVBS1 stereo input]                      2 x RCA [CVBS2 / S.Video stereo input]                      2 x RCA [Component stereo input]                      1 x jack 3.5 mm [PC stereo input]                      Power stereo output, speakers [clinch]                      1 x Dsub-9 female [Input]                      Local Key Board                      Remote control</p> <p>1 x Dsub-15 HD [Analog RGB, output](optional)                      1 x DVI-D [Digital RGB, output](optional)                      1 x Dsub-9 female [output](optional)</p>
<b>FEATURES</b>	<p><b>Video compatibility:</b> PAL (BGH/D/I, M, N, 60), NTSC (M, 4.43), SECAM                      HDMI [supporting CEA-861B specs. HDCP 1.1]                      480i/p, 576i/p, 720p, 1080i / 50-60 Hz, 1080p / 60 Hz  <b>Video signal level:</b> CVBS: 1 Vpp / 75 Ohm - nominal (with AGC)                      Y/C: 1 Vpp / 75 Ohm - nominal (with AGC)                      Y,Pb,Pr, 1Vpp / 75 ohm nominal  <b>PC compatibility:</b> VGA ~ WUXGA (1920x1080), NATIVE (1366x768)                      Automatic frequency detection  <b>PC signal level:</b> RGB: 0.7 Vpp / 75 Ohm (RGB), TTL (HV)                      1 x DVI-D [Digital RGB, input only]  <b>Frequency range:</b> Horizontal: 20 KHz - 82 KHz                      Vertical: 55 Hz - 90 Hz  <b>Audio signal level:</b> Audio Input: 0.15 to 1 V                      Audio Output: 2 x 7W (10% THD)  <b>Speakers:</b> Integrated speakers, 2 x 10W (optional)  <b>Control interfaces:</b> Remote Control are OSD assisted                      RS-232 Serial Port  <b>Loophthrough unit:</b> Embadded splitter up to 5x5 with bezel compensation (optional)                      RS-232 pass-through                      VGA pass-through                      DVI pass-through                      All inputs converted to DVI and retransmitted                      Commands and controls are available from any of the three user's interfaces</p>	<p>PAL (BGH/D/I, M, N, 60), NTSC (M, 4.43), SECAM                      HDMI [supporting CEA-861B specs. HDCP 1.1]                      480i/p, 576i/p, 720p, 1080i / 50-60 Hz, 1080p / 60 Hz  <b>Video signal level:</b> CVBS: 1 Vpp / 75 Ohm - nominal (with AGC)                      Y/C: 1 Vpp / 75 Ohm - nominal (with AGC)                      Y,Pb,Pr, 1Vpp / 75 ohm nominal  <b>VGA ~ WUXGA (1920x1080), NATIVE (1366x768)</b>                      Automatic frequency detection  <b>RGB: 0.7 Vpp / 75 Ohm (RGB), TTL (HV)</b>                      1 x DVI-D [Digital RGB, input only]                      Horizontal: 20 KHz - 82 KHz                      Vertical: 55 Hz - 90 Hz                      Audio Input: 0.15 to 1 V                      Audio Output: 2 x 7W (10% THD)                      Integrated speakers, 2 x 10W (optional)                      Remote Control are OSD assisted                      RS-232 Serial Port                      Embadded splitter up to 5x5 with bezel compensation (optional)                      RS-232 pass-through                      VGA pass-through                      DVI pass-through                      All inputs converted to DVI and retransmitted                      Commands and controls are available from any of the three user's interfaces</p>
<b>CONTROLS</b>	<p><b>Video:</b> Preset (4 selections + user)                      Brightness, Contrast, Color, Sharpness                      Colour temperature (5 selections + user)                      Still frame, Source selection  <b>Size Video:</b> 16:9, 14:9, 4:3, Panoramic, Zoom1, Zoom2  <b>Size Graphics:</b> 16:9, 1:1, 4:3  <b>Geometry:</b> Self adjustment of picture dimension                      Free adjustment of picture position  <b>Audio (optional):</b> Presets (4 selections + user)                      Volume, Balance, Equalizer (5 bands),                      Stereo / Dual1 / Dual2, AVC(AutomaticVolumeControl)  <b>Others:</b> Stand-by mode                      Programmable OSD aspect                      Screensaver (blue screen, pixel shift, wiper, gray background)                      Timer (time, wake-up, sleep)                      Display address selection                      DPMS                      Auto Input Search  <b>Diagnostic:</b> Fan automatic manage/cooling                      Ambient light control                      Remote control of all functions                      Automatic switch off in case of over-temperature                      Monitor Status analysis                      Automatic temperature control with threshold setting                      Shock sensor (optional), Back light control (optional)                      Constant power internal voltages control (optional)                      DE, ES, FR, EN, IT, PT  <b>Language:</b> DE, ES, FR, EN, IT, PT</p>	<p>Preset (4 selections + user)                      Brightness, Contrast, Color, Sharpness                      Colour temperature (5 selections + user)                      Still frame, Source selection                      16:9, 14:9, 4:3, Panoramic, Zoom1, Zoom2                      16:9, 1:1, 4:3                      Self adjustment of picture dimension                      Free adjustment of picture position                      Presets (4 selections + user)                      Volume, Balance, Equalizer (5 bands),                      Stereo / Dual1 / Dual2, AVC(AutomaticVolumeControl)                      Stand-by mode                      Programmable OSD aspect                      Screensaver (blue screen, pixel shift, wiper, gray background)                      Timer (time, wake-up, sleep)                      Display address selection                      DPMS                      Auto Input Search                      Fan automatic manage/cooling                      Ambient light control                      Remote control of all functions                      Automatic switch off in case of over-temperature                      Monitor Status analysis                      Automatic temperature control with threshold setting                      Shock sensor (optional), Back light control (optional)                      Constant power internal voltages control (optional)                      DE, ES, FR, EN, IT, PT</p>
<b>PHYSICAL</b>	<p><b>Dimensions:</b> 817 (W) x 512 (H) x 136 (D)  <b>Mains voltage:</b> 115/230 VAC ± 15%, 50/60 Hz  <b>Power consumption:</b> 150 W  <b>Operating conditions:</b> Storage: -20°C to 65°C (max 85% RH not condensing)                      Working: 0°C to 50°C (max 85% RH not condensing)</p>	<p>1050 (W) x 643 (H) x 136 (D)                      115/230 VAC ± 15%, 50/60 Hz                      240 W                      Storage: -20°C to 65°C (max 85% RH not condensing)                      Working: 0°C to 50°C (max 85% RH not condensing)</p>

QUADRO 46" HD MON/RPC2	QUADRO 46" HIGH BRIGHTNESS MON/RPC3	QUADRO LCD 57" FHD MON/RPC3
<p>46" (117 cm) diagonal 16.9 1366 (H) x 768 (V) pixels 0.74 (H) x 0.24 (V) [mm] 1018 (H) x 572 (V) [mm] 500 cd/m<sup>2</sup> (typical) 1,800: 1 (typical) 178° (in all directions) 16.7 Mil 8 mSec</p> <p>Tempered glass; Laminated antivandalic anti-reflective glass, light transmission &gt; 90%</p>	<p>46" (117 cm) diagonal 16.9 1366 (H) x 768 (V) pixels 0.74 (H) x 0.74 (V) [mm] 1018 (H) x 572 (V) [mm] 1500 cd/m<sup>2</sup> (typical) 3,000: 1 (typical) 178° (in all directions) 16.7 Mil 8 mSec</p> <p>Tempered glass; Laminated antivandalic anti-reflective glass, light transmission &gt; 90%</p>	<p>57" (145 cm) diagonal 16.9 1920 (H) x 1080 (V) pixels 0.21 (H) x 0.65 (V) [mm] 1251 (H) x 703 (V) [mm] 600 cd/m<sup>2</sup> (typical) 2,000: 1 (typical) 178° (in all directions) 16.7 Mil 8 mSec</p> <p>Tempered glass; Laminated antivandalic anti-reflective glass, light transmission &gt; 90%</p>
<p>1 x RCA [CVBS1, input only] 1 x RCA [CVBS2, input only] 1 x mini DIN 4 pin [Y/C, input only] 3 x RCA [YPbPr, input only] 1 x Dsub-15 HD [Analog RGB, input] 1 x DVI-D [Digital RGB, input] 1 X HDMI [Audio e Video con HDCP, input only] 2 x RCA [CVBS1 stereo input] 2 x RCA [CVBS2 / S.Video stereo input] 2 x RCA [Component stereo input] 1 x jack 3.5 mm [PC stereo input] Power stereo output, speakers [clinch] 1 x Dsub-9 female [Input] Local Key Board Remote control</p> <p>1 x Dsub-15 HD [Analog RGB, output](optional) 1 x DVI-D [Digital RGB, output](optional) 1 x Dsub-9 female [output](optional)</p>	<p>1 x RCA [CVBS1, input only] 1 x RCA [CVBS2, input only] 1 x mini DIN 4 pin [Y/C, input only] 3 x RCA [YPbPr, input only] 1 x Dsub-15 HD [Analog RGB, input] 1 x DVI-D [Digital RGB, input] 1 X HDMI [Audio e Video con HDCP, input only] 2 x RCA [CVBS1 stereo input] 2 x RCA [CVBS2 / S.Video stereo input] 2 x RCA [Component stereo input] 1 x jack 3.5 mm [PC stereo input] Power stereo output, speakers [clinch] 1 x Dsub-9 female [Input] Local Key Board Remote control</p> <p>1 x Dsub-15 HD [Analog RGB, output](optional) 1 x DVI-D [Digital RGB, output](optional) 1 x Dsub-9 female [output](optional)</p>	<p>1 x RCA [CVBS1, input only] 1 x RCA [CVBS2, input only] 1 x mini DIN 4 pin [Y/C, input only] 3 x RCA [YPbPr, input only] 1 x Dsub-15 HD [Analog RGB, input] 1 x DVI-D [Digital RGB, input] 1 X HDMI [Audio e Video con HDCP, input only] 2 x RCA [CVBS1 stereo input] 2 x RCA [CVBS2 / S.Video stereo input] 2 x RCA [Component stereo input] 1 x jack 3.5 mm [PC stereo input] Power stereo output, speakers [clinch] 1 x Dsub-9 female [Input] Local Key Board Remote control</p> <p>1 x Dsub-15 HD [Analog RGB, output](optional) 1 x DVI-D [Digital RGB, output](optional) 1 x Dsub-9 female [output](optional)</p>
<p>PAL (BGH/D/I, M, N, 60), NTSC (M, 4.43), SECAM HDMI [supporting CEA-861B specs. HDCP 1.1] 480i/p,576i/p,720p, 1080i / 50-60 Hz, 1080p / 60 Hz CVBS: 1 Vpp / 75 Ohm - nominal (with AGC) Y/C: 1 Vpp / 75 Ohm - nominal (with AGC) Y,Pb,Pr, 1Vpp / 75 ohm nominal VGA ~ WUXGA (1920x1080), NATIVE (1366x768) Automatic frequency detection RGB: 0.7 Vpp / 75 Ohm (RGB), TTL (HV) 1 x DVI-D [Digital RGB, input only] Horizontal: 20 KHz - 82 KHz Vertical: 55 Hz - 90 Hz Audio Input: 0.15 to 1 V Audio Output: 2 x 7W (10% THD) Integrated speakers, 2 x 10W (optional) Remote Control are OSD assisted RS-232 Serial Port Embedded splitter up to 5x5 with bezel compensation (optional) RS-232 pass-through VGA pass-through DVI pass-through All inputs converted to DVI and retransmitted Commands and controls are available from any of the three user's interfaces</p>	<p>PAL (BGH/D/I, M, N, 60), NTSC (M, 4.43), SECAM HDMI [supporting CEA-861B specs. HDCP 1.1] 480i/p,576i/p,720p, 1080i / 50-60 Hz, 1080p / 60 Hz CVBS: 1 Vpp / 75 Ohm - nominal (with AGC) Y/C: 1 Vpp / 75 Ohm - nominal (with AGC) Y,Pb,Pr, 1Vpp / 75 ohm nominal VGA ~ WUXGA (1920x1080), NATIVE (1366x768) Automatic frequency detection RGB: 0.7 Vpp / 75 Ohm (RGB), TTL (HV) 1 x DVI-D [Digital RGB, input only] Horizontal: 20 KHz - 82 KHz Vertical: 55 Hz - 90 Hz Audio Input: 0.15 to 1 V Audio Output: 2 x 7W (10% THD) Integrated speakers, 2 x 10W (optional) Remote Control are OSD assisted RS-232 Serial Port Embedded splitter up to 5x5 with bezel compensation (optional) RS-232 pass-through VGA pass-through DVI pass-through All inputs converted to DVI and retransmitted Commands and controls are available from any of the three user's interfaces</p>	<p>PAL (BGH/D/I, M, N, 60), NTSC (M, 4.43), SECAM HDMI [supporting CEA-861B specs. HDCP 1.1] 480i/p,576i/p,720p, 1080i / 50-60 Hz, 1080p / 60 Hz CVBS: 1 Vpp / 75 Ohm - nominal (with AGC) Y/C: 1 Vpp / 75 Ohm - nominal (with AGC) Y,Pb,Pr, 1Vpp / 75 ohm nominal VGA ~ WUXGA (1920x1080), NATIVE (1366x768) Automatic frequency detection RGB: 0.7 Vpp / 75 Ohm (RGB), TTL (HV) 1 x DVI-D [Digital RGB, input only] Horizontal: 20 KHz - 82 KHz Vertical: 55 Hz - 90 Hz Audio Input: 0.15 to 1 V Audio Output: 2 x 7W (10% THD) Integrated speakers, 2 x 10W (optional) Remote Control are OSD assisted RS-232 Serial Port Embedded splitter up to 5x5 with bezel compensation (optional) RS-232 pass-through VGA pass-through DVI pass-through All inputs converted to DVI and retransmitted Commands and controls are available from any of the three user's interfaces</p>
<p>Preset (4 selections + user) Brightness, Contrast, Color, Sharpness Colour temperature (5 selections + user) Still frame, Source selection 16:9, 14:9, 4:3, Panoramic, Zoom1, Zoom2 16:9, 1:1, 4:3 Self adjustment of picture dimension Free adjustment of picture position Presets (4 selections + user) Volume, Balance, Equalizer (5 bands), Stereo / Dual1 / Dual2, AVC(AutomaticVolumeControl) Stand-by mode Programmable OSD aspect Screensaver (blue screen, pixel shift, wiper, gray background) Timer (time, wake-up, sleep) Display address selection DPMS Auto Input Search Fan automatic manage/cooling Ambient light control Remote control of all functions Automatic switch off in case of over-temperature Monitor Status analysis Automatic temperature control with threshold setting Shock sensor (optional), Back light control (optional) Constant power internal voltages control (optional) DE, ES, FR, EN, IT, PT</p>	<p>Preset (4 selections + user) Brightness, Contrast, Color, Sharpness Colour temperature (5 selections + user) Still frame, Source selection 16:9, 14:9, 4:3, Panoramic, Zoom1, Zoom2 16:9, 1:1, 4:3 Self adjustment of picture dimension Free adjustment of picture position Presets (4 selections + user) Volume, Balance, Equalizer (5 bands), Stereo / Dual1 / Dual2, AVC(AutomaticVolumeControl) Stand-by mode Programmable OSD aspect Screensaver (blue screen, pixel shift, wiper, gray background) Timer (time, wake-up, sleep) Display address selection DPMS Auto Input Search Fan automatic manage/cooling Ambient light control Remote control of all functions Automatic switch off in case of over-temperature Monitor Status analysis Automatic temperature control with threshold setting Shock sensor (optional), Back light control (optional) Constant power internal voltages control (optional) DE, ES, FR, EN, IT, PT</p>	<p>Preset (4 selections + user) Brightness, Contrast, Color, Sharpness Colour temperature (5 selections + user) Still frame, Source selection 16:9, 14:9, 4:3, Panoramic, Zoom1, Zoom2 16:9, 1:1, 4:3 Self adjustment of picture dimension Free adjustment of picture position Presets (4 selections + user) Volume, Balance, Equalizer (5 bands), Stereo / Dual1 / Dual2, AVC(AutomaticVolumeControl) Stand-by mode Programmable OSD aspect Screensaver (blue screen, pixel shift, wiper, gray background) Timer (time, wake-up, sleep) Display address selection DPMS Auto Input Search Fan automatic manage/cooling Ambient light control Remote control of all functions Automatic switch off in case of over-temperature Monitor Status analysis Automatic temperature control with threshold setting Shock sensor (optional), Back light control (optional) Constant power internal voltages control (optional) DE, ES, FR, EN, IT, PT</p>
<p>1136 (W) x 692 (H) x 140 (D) 115/230 VAC ± 15%, 50/60 Hz 270 W Storage: -20°C to 65°C (max 85% RH not condensing) Working: 0°C to 50°C (max 85% RH not condensing)</p>	<p>1136 (W) x 692 (H) x 140 (D) 115/230 VAC ± 15%, 50/60 Hz 600 W Storage: -20°C to 65°C (max 85% RH not condensing) Working: 0°C to 50°C (max 85% RH not condensing)</p>	<p>1375 (W) x 828 (H) x 132 (D) without handle 1375 (W) x 828 (H) x 175 (D) with handle 115/230 VAC ± 15%, 50/60 Hz 430 W Storage: -20°C to 65°C (max 85% RH not condensing) Working: 0°C to 50°C (max 85% RH not condensing)</p>

## TECHNICAL DATA

### PRODUCT NAME:

### QUADRO LCD 70" FULL HD

### QUADRO LCD 82" FULL HD

	QUADRO LCD 70" FULL HD	QUADRO LCD 82" FULL HD
<b>DISPLAY PANEL</b>	<p>Screen size: 70" (178 cm) diagonal                      Aspect Ratio: 16:9                      Resolution: 1920 (H) x 1080 (V) pixels                      Pixel pitch: 0.21 (H) x 0.65 (V) [mm]                      Useful screen: 1549 (H) x 871 (V) [mm]                      Brightness: 600 cd/m<sup>2</sup> (typical)                      Contrast ratio: 1,500: 1 (typical)                      Viewing angle: 178° (in all directions)                      Colors: 16.7 Mil                      Response time: 8 mSec                      Front protective filter (optional): Tempered glass;                      Laminated antivandalic anti-reflective glass, light transmission &gt; 90%</p>	<p>82" (208 cm) diagonal                      16:9                      1920 (H) x 1080 (V) pixels                      0.94 (H) x 0.94 (V) [mm]                      1805 (H) x 1015 (V) [mm]                      600 cd/m<sup>2</sup> (typical)                      2,000: 1 (typical)                      178° (in all directions)                      16.7 Mil                      8 mSec                      Tempered glass;                      Laminated antivandalic anti-reflective glass, light transmission &gt; 90%</p>
<b>CONNECTIONS</b>	<p><b>Video:</b> 1 x RCA [CVBS1, input only]                      1 x RCA [CVBS2, input only]                      1 x mini DIN 4 pin [Y/C, input only]                      3 x RCA [YPbPr, input only]  <b>PC:</b> 1 x Dsub-15 HD [Analog RGB, input]                      1 x DVI-D [Digital RGB, input]  <b>HDMI:</b> 1 X HDMI [Audio e Video con HDCP, input only]  <b>Audio:</b> 2 x RCA [CVBS1 stereo input]                      2 x RCA [CVBS2 / S.Video stereo input]                      2 x RCA [Component stereo input]                      1 x jack 3.5 mm [PC stereo input]                      Power stereo output, speakers [clinch]  <b>Control:</b> 1 x Dsub-9 female [Input]                      Local Key Board                      Remote control</p> <p><b>Loophrough unit</b></p> <p><b>PC:</b> 1 x Dsub-15 HD [Analog RGB, output](optional)                      1 x DVI-D [Digital RGB, output](optional)  <b>Control:</b> 1 x Dsub-9 female [output](optional)</p>	<p>1 x RCA [CVBS1, input only]                      1 x RCA [CVBS2, input only]                      1 x mini DIN 4 pin [Y/C, input only]                      3 x RCA [YPbPr, input only]                      1 x Dsub-15 HD [Analog RGB, input]                      1 x DVI-D [Digital RGB, input]                      1 X HDMI [Audio e Video con HDCP, input only]                      2 x RCA [CVBS1 stereo input]                      2 x RCA [CVBS2 / S.Video stereo input]                      2 x RCA [Component stereo input]                      1 x jack 3.5 mm [PC stereo input]                      Power stereo output, speakers [clinch]                      1 x Dsub-9 female [Input]                      Local Key Board                      Remote control</p> <p>1 x Dsub-15 HD [Analog RGB, output](optional)                      1 x DVI-D [Digital RGB, output](optional)                      1 x Dsub-9 female [output](optional)</p>
<b>FEATURES</b>	<p><b>Video compatibility:</b> PAL (BGH/D/I, M, N, 60), NTSC (M, 4.43), SECAM                      HDMI [supporting CEA-861B specs. HDCP 1.1]                      480i/p,576i/p,720p, 1080i / 50-60 Hz, 1080p / 60 Hz  <b>Video signal level:</b> CVBS: 1 Vpp / 75 Ohm - nominal (with AGC)                      Y/C: 1 Vpp / 75 Ohm - nominal (with AGC)                      Y,Pb,Pr, 1Vpp / 75 ohm nominal  <b>PC compatibility:</b> VGA ~ WUXGA (1920x1080), NATIVE (1366x768)                      Automatic frequency detection  <b>PC signal level:</b> RGB: 0.7 Vpp / 75 Ohm (RGB), TTL (HV)                      1 x DVI-D [Digital RGB, input only]  <b>Frequency range:</b> Horizontal: 20 KHz - 82 KHz                      Vertical: 55 Hz - 90 Hz  <b>Audio signal level:</b> Audio Input: 0.15 to 1 V                      Audio Output: 2 x 7W (10% THD)  <b>Speakers:</b> Integrated speakers, 2 x 10W (optional)  <b>Control interfaces:</b> Remote Control are OSD assisted                      RS-232 Serial Port  <b>Loophrough unit:</b> Embadded splitter up to 5x5 with bezel compensation (optional)                      RS-232 pass-through                      VGA pass-through                      DVI pass-trough                      All inputs converted to DVI and retransmitted                      Commands and controls are available from any of the three user's interfaces</p>	<p>PAL (BGH/D/I, M, N, 60), NTSC (M, 4.43), SECAM                      HDMI [supporting CEA-861B specs. HDCP 1.1]                      480i/p,576i/p,720p, 1080i / 50-60 Hz, 1080p / 60 Hz  <b>CVBS:</b> 1 Vpp / 75 Ohm - nominal (with AGC)                      Y/C: 1 Vpp / 75 Ohm - nominal (with AGC)                      Y,Pb,Pr, 1Vpp / 75 ohm nominal  <b>VGA ~ WUXGA (1920x1080), NATIVE (1366x768)</b>                      Automatic frequency detection                      RGB: 0.7 Vpp / 75 Ohm (RGB), TTL (HV)                      1 x DVI-D [Digital RGB, input only]                      Horizontal: 20 KHz - 82 KHz                      Vertical: 55 Hz - 90 Hz                      Audio Input: 0.15 to 1 V                      Audio Output: 2 x 7W (10% THD)                      Integrated speakers, 2 x 10W (optional)                      Remote Control are OSD assisted                      RS-232 Serial Port                      Embadded splitter up to 5x5 with bezel compensation (optional)                      RS-232 pass-through                      VGA pass-through                      DVI pass-trough                      All inputs converted to DVI and retransmitted                      Commands and controls are available from any of the three user's interfaces</p>
<b>CONTROLS</b>	<p><b>Video:</b> Preset (4 selections + user)                      Brightness, Contrast, Color, Sharpness                      Colour temperature (5 selections + user)                      Still frame, Source selection  <b>Size Video:</b> 16:9, 14:9, 4:3, Panoramic, Zoom1, Zoom2  <b>Size Graphics:</b> 16:9, 1:1, 4:3  <b>Geometry:</b> Self adjustment of picture dimension                      Free adjustment of picture position  <b>Audio (optional):</b> Presets (4 selections + user)                      Volume, Balance, Equalizer (5 bands),                      Stereo / Dual1 / Dual2, AVC(AutomaticVolumeControl)  <b>Others:</b> Stand-by mode                      Programmable OSD aspect                      Screensaver (blue screen, pixel shift, wiper, gray background)                      Timer (time, wake-up, sleep)                      Display address selection                      DPMS  <b>Diagnostic:</b> Auto Input Search                      Fan automatic manage/cooling                      Ambient light control                      Remote control of all functions                      Automatic switch off in case of over-temperature                      Monitor Status analysis                      Automatic temperature control with threshold setting                      Shock sensor (optional), Back light control (optional)                      Constant power internal voltages control (optional)  <b>Language:</b> DE, ES, FR, EN, IT, PT</p>	<p>Preset (4 selections + user)                      Brightness, Contrast, Color, Sharpness                      Colour temperature (5 selections + user)                      Still frame, Source selection                      16:9, 14:9, 4:3, Panoramic, Zoom1, Zoom2                      16:9, 1:1, 4:3                      Self adjustment of picture dimension                      Free adjustment of picture position                      Presets (4 selections + user)                      Volume, Balance, Equalizer (5 bands),                      Stereo / Dual1 / Dual2, AVC(AutomaticVolumeControl)                      Stand-by mode                      Programmable OSD aspect                      Screensaver (blue screen, pixel shift, wiper, gray background)                      Timer (time, wake-up, sleep)                      Display address selection                      DPMS                      Auto Input Search                      Fan automatic manage/cooling                      Ambient light control                      Remote control of all functions                      Automatic switch off in case of over-temperature                      Monitor Status analysis                      Automatic temperature control with threshold setting                      Shock sensor (optional), Back light control (optional)                      Constant power internal voltages control (optional)                      DE, ES, FR, EN, IT, PT</p>
<b>PHYSICAL</b>	<p><b>Dimensions:</b> 1678 (W) x 1000 (H) x 140 (D) without handle                      1678 (W) x 1000 (H) x 183 (D) with handle  <b>Mains voltage:</b> 115/230 VAC ± 15%, 50/60 Hz  <b>Power consumption:</b> 800 W  <b>Operating conditions:</b> Storage: -20°C to 65°C (max 85% RH not condensing)                      Working: 0°C to 50°C (max 85% RH not condensing)</p>	<p>1927 (W) x 1137 (H) x 132 (D) without handle                      1927 (W) x 1137 (H) x 173 (D) with handle                      115/230 VAC ± 15%, 50/60 Hz                      1100 W                      Storage: -20°C to 65°C (max 85% RH not condensing)                      Working: 0°C to 50°C (max 85% RH not condensing)</p>

# TOUCH SCREEN

TOTAL DISPLAY SOLUTIONS

MONITOR

## OPTIC TOUCH SCREEN

The new **QUADRO Touch Screen Optical** range, provided with the latest passive-border technology patent-pending, radically reduces the quantity and complexity of electronic components is the solution for high performance, cost-effective requirements. Exceptional clarity, low power consumption and improved resistance to environmental conditions are advantages expected by the product's range.

The **Optical Touch Screen Quadro** serie not only provides traditional touch functions such as point, click, drag and drop, but also benefits such as pan, pinch, double-tap and scroll.

## FEATURES

- Calibration: once-only, four-points with no drift
- USB plug-and-play: one cable for power and communications
- Orientation: landscape or portrait
- Clear glass: maximum clarity
- Light touch: no pressure required
- Any touch: finger, gloved hand or pointer



WALL



CEILING VERTICAL



CEILING HORIZONTAL

OUTDOOR & INDOOR

# RPC3 EMBEDDED RACK PC

- RPC3 LCD 32" HD
- RPC3 LCD 42" Full HD
- RPC2 LCD 46" HD
- RPC3 LCD 46" Full HD



Top view

The new QUADRO model in RPC3 configuration, offers innovative technological and structural functionalities, without any aesthetic appearance.

The new QUADRO product's configuration released in RPC3 version, has been designed to permit to the PC unit, contained in the usual Rack PC drawer, to be easily extracted and inserted without creating any aesthetic back side monitor's modifying and lack ness.

Compared to the precedent model, the PC unit drawer is now contained and inserted in the internal part of the monitor's backside without any external overhanging.

The unit can be only extracted from above and the user will not see any visible hardware absence in the backside.

The Rack PC drawer is therefore contained just internally and once removed, the PC unit hardware is already available for upgrading and maintenance without detaching any cover or protection panel.

This new mechanical configuration has been developed to guarantee a better usability and easy maintenance and to avoid the problem of aesthetic absence, once the PC unit was detached, that creates visual and structural problems.

Moreover this new mechanical release provide the QUADRO range to come out in several different versions without any aesthetic appearance, the QUADRO model can be provided of:

- Rack PC unit
- Player hardware for content management
- Network hardware



## Integrated RACK PC

INTEGRATED PC RACK	NOTES
	Integrated PC rack optionally available Module network optionally available Any mechanical frame available upon request
<b>Motherboard:</b>	Support microATX - v1.1 spec. Mini ITX (contact factory for connector layout and height constraints)

## OPTIONS

Upon request, for particular video information applications, large, high resolution, liquid crystal screens are available.



Back view



BERLIN, GERMANY - SHERATON HOTEL