

DIGITAL INFORMATION DISPLAY



D.I.D.

GATE H21

FLIGHT **EA 528 Z**



PARIS

DESTINATION

PARIS

HANTAREX

HD_FULL HD SELF DIAGNOSTIC MONITOR EMBEDDED RACK PC MONITOR

Hantarex Electronic Systems è oggi tra i protagonisti mondiali nel panorama internazionale dei sistemi di videoinformazione grazie soprattutto all'ampia gamma di prodotti disponibili, l'attenzione alla qualità e alla visione dei futuri panorami tecnologici. L'eccellenza tecnologica, il design completamente "made in Italy", la cura artigianale dei dettagli e l'indiscussa affidabilità hanno reso possibili interessanti partnership internazionali per i quali Hantarex ha progettato e creato numerose soluzioni "custom". Il marchio HANTAREX è presente negli aeroporti e negli hubs di tutto il mondo con monitor professionali a supporto della videoinformazione pubblica. Per questo importante comparto Hantarex presenta 2 nuove linee dedicate e sviluppate per le applicazioni aeroportuali e ferroviarie, e per tutte le nuove applicazioni di DIGITAL SIGNAGE, dove lo scopo più importante è proprio quello di comunicare alla gente il più alto numero di informazioni, messaggi e immagini.

Hantarex Electronic Systems is presently one of the world leaders of video information systems, above all, thanks to their wide range of products, attention to quality and the long-term goal to develop future technologies.

The excellent technology, complete "made in Italy" design, the craftsmanship and indisputable reliability have helped form interesting partnerships with international powerhouses able to create numerous custom solutions.

The HANTAREX brand professional monitors can be found in airports and hubs around the world supporting video information.

For this important field, Hantarex has developed 2 new lines developed for and dedicated to airport and railroad station applications for all the new DIGITAL SIGNAGE applications, where the most important goal is to communicate information, messages and images to the largest number of people possible.

Hantarex Electronic Systems présente 3 nouvelles lignes dédiées et développées pour les applications professionnelles d'affichage dynamique tant dans les secteurs aéroportuaires, ferroviaires que pour les centres commerciaux (Moniteur Standard HD-Full HD_ Moniteur avec PC Embarqué_ Moniteur auto diagnostic).

La marque se différencie par un assemblage à la main, une technologie de dernière génération et un design 'Made In Italy'.

Hantarex Electronic Systems está hoy entre los protagonistas mundiales en el panorama internacional de los sistemas de vídeo información gracias sobre todo a la amplia gama de productos disponibles, la atención a la calidad y a la visión de los futuros panoramas tecnológicos.

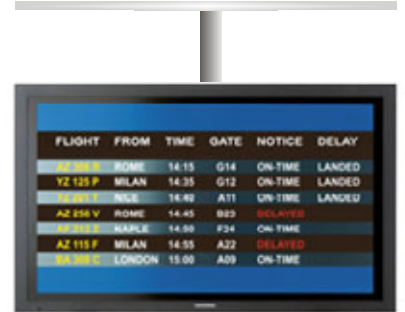
La excelencia tecnológica, el diseño completamente "made in Italy", la cura artesanal de los detalles y la indiscutida fiabilidad ha devuelto posibles interesantes sociedades internacionales por las que Hantarex ha planeado y crecido numerosas soluciones "custom".

La marca HANTAREX está presente en los aeropuertos y en los hubs de todo el mundo con monitores profesionales como soporte de vídeo información público.

Por este importante reparto Hantarex presenta 3 nuevas líneas dedicadas y desarrolladas para aplicaciones aeroportuarias y ferroviarias, y por todas las nuevas aplicaciones de DIGITAL SIGNAGE, donde el objetivo más importante es justo aquel de comunicarle a la gente el más alto número de informaciones, mensajes e imágenes (Standard HD-Full HD monitor_Self-diagnostic monitor_Embedded Rack Pc monitor).



WALL



CEILING HORIZONTAL



CEILING VERTICAL

DIGITAL INFORMATION DISPLAY

D.I.D.



MONITORS

- HD_FULL HD
SELF DIAGNOSTIC
- RACK EMBEDDED PC



- ✓ ECCELLENTE ANGOLO DI VISIONE
- ✓ BASSO CONSUMO DI ENERGIA
- ✓ ALTISSIMA DEFINIZIONE DELL'IMMAGINE



SQUARE LCD 32" HD monitor
SQUARE LCD 40" HD monitor

QUADRO LCD 57" Full HD monitor
QUADRO LCD 70" Full HD monitor
QUADRO LCD 82" Full HD monitor

Questa gamma è stata creata per soddisfare tutte le necessità delle installazioni video informative a grande flusso che richiedono un monitor a sistema integrato con speciali caratteristiche tecnologiche, in grado di comunicare con un **Data Base** centrale che gestisce dati e informazioni, in maniera remota, semplice e diretta. I monitor di questa gamma integrano sistemi di connessione rapida con il sistema centrale e sono il giusto compromesso fra qualità, funzionalità, affidabilità e costi.

I monitor della linea **HD_FULL HD SELF DIAGNOSTIC** vantano un eccellente angolo di visione sia verticale che orizzontale di 180°, un contrasto di 1.200:1, una luminosità fino a 700 cd/mq ed una risoluzione di 1366 x 768 pixels e rappresentano quindi una delle migliori proposte Hantarex per le applicazioni aeroportuali e ferroviarie.

This range has been created to satisfy all the needs of mass traffic video information systems that require integrated system monitors with special technologic characteristics that are able to communicate with a central **database** that manages data and information remotely, simply and directly.

The monitors in this integrated system range connect rapidly with your central system and are they are the right blend of quality, functionality, reliability and cost.

The **HD_FULL HD SELF DIAGNOSTIC** monitor line has an excellent 180° viewing angle both vertically and horizontally, contrast of 1,200:1, brightness of 700 cd/mq and resolution of 1366 x 768 pixels and they represent one of Hantarex's best proposals for airport and railway station applications.

Cette gamme a été créée pour satisfaire toutes les exigences des installations d'affichage dynamique.

Pour cela, Hantarex dispose de moniteurs avec des caractéristiques technologiques permettant de communiquer à partir d'une centrale de bases de données. Les données et informations sont transmises directement et simplement.

Les moniteurs Hantarex sont le bon compromis entre qualité, fonctionnalité et fiabilité.

Les moniteurs de la ligne **HD_FULL HD SELF DIAGNOSTIC** offre un angle de vision de 180° (tant vertical qu'horizontal), un contraste de 1.200 :1, une luminosité de 700cd/m₂ et une résolution de 1366 x 768. Toutes ces caractéristiques représentent une des meilleures offres pour les applications aeroportuaires et ferroviaires.

Esta gama ha sido creada para satisfacer todas las necesidades de las instalaciones vídeo informativas a gran flujo que solicitan un monitor a sistema integrado con especiales características tecnológicas, capaz de comunicar con una **Data Base** central que administra datos e informaciones, en forma remoto, simple y directa.

Los monitores de esta gama integran sistemas de conexión rápida con el sistema central y son el justo compromiso entre calidad, función, fiabilidad y costes.

Los monitores de la línea **HD_FULL HD SELF DIAGNOSTIC** se jactan de un excelente ángulo de visión sea vertical que horizontal de 180°, un contraste de 1.200:1, una luminosidad de 700 cd/m² y una resolución de 1366x768 píxeles y representan por lo tanto una de las mejores propuestas Hantarex para las aplicaciones aeroportuarias y ferroviarias.

DIGITAL INFORMATION DISPLAY

HD_FULL HD
SELF DIAGNOSTIC



I monitor HANTAREX per applicazioni professionali da videoinformazione pubblica dispongono di **SELF DIAGNOSTIC**, che prevede l'integrazione di sensori e di un software applicativo, addetti a controllare le funzionalità ed i diversi parametri inerenti il monitor stesso.

Questi monitor utilizzano pannelli appartenenti alla famiglia dei Digital Information Displays, ovvero pannelli con tecnologia sviluppata per supportare applicazioni video informative statiche per luoghi di pubblico passaggio.

I monitor di questa gamma LCD risultano quindi più adatti per le applicazioni che utilizzano segnali provenienti da fonti PC, ovvero con segnali VGA, DVI, RGB che visualizzano immagini statiche di sfondo, per applicazioni videoinformative quali aeroporti, ferrovie e uffici pubblici.

HANTAREX monitors for professional video information applications are available with **SELF DIAGNOSTIC**, that integrates sensors and software to control the functionalities and various parameters of the monitors.

The above-mentioned monitors that have this functionality use Digital Information Display panels, the technology developed to support static video information applications for mass traffic areas.

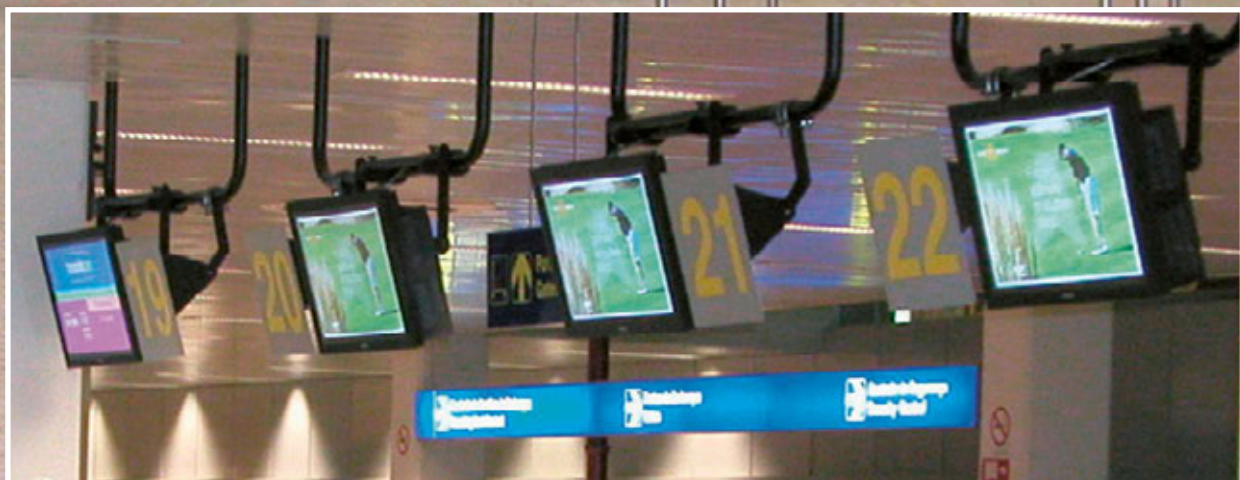
The monitors of this LCD range are more suitable for applications that use signals coming from a PC like VGA, DVI, RGB that display static backgrounds and for video information applications in airports, railway stations and public offices.

Les moniteurs HANTAREX pour applications professionnelles d'affichage dynamique sont disponibles avec la fonction **AUTO DIAGNOSTIC**. Cette caractéristique technique prévoit l'intégration de capteur et d'un software permettant de contrôler les fonctionnalités et divers paramètres inhérents au moniteur lui-même. Ces moniteurs appartiennent à la famille DID - Digital Information Displays. Les dalles DID ont été développées pour supporter les applications d'affichage statique en milieux publics. Les moniteurs de cette gamme LCD sont plus adaptés pour les applications utilisant un signal provenant de PC, c'est à dire avec les signaux VGA, DVI, RGB, qui visualisent images fixes, pour applications video-informative comme aéroports, gares et lieux publiques.

Los monitores HANTAREX para aplicaciones profesionales de vídeo información pública, están disponibles con **SELF DIAGNOSTIC**, que prevé la integración de sensores y un software aplicativo, empleado para controlar las funciones y los muchos parámetros inherentes a la función del monitor mismo. Tales monitores sometidos por esta función utilizan paneles pertenecientes a la familia de los Digital Information Displays o bien paneles con tecnología desarrollada para respaldar aplicaciones vídeo informativas estáticas para lugares de paso de público. Los monitores de esta gama LCD resultan por lo tanto más aptos para las aplicaciones que utilizan señales procedentes de fuentes de PC, o bien con señales VGA, DVI, RGB que visualizan imágenes estáticas de fondo, para aplicaciones vídeo informativas en aeropuertos, ferrocarriles y despachos públicos.

DIGITAL INFORMATION DISPLAY

SELF DIAGNOSTIC





Grazie al suddetto dispositivo di Autodiagnostica, inserito nei monitor, è possibile controllare in modo remoto tutte le funzionalità e la stabilità del monitor stesso, mentre uno speciale Front Filter, presente sulla superficie esterna del display, elimina i disturbi dovuti alle riflessioni di luce, caratteristici degli ambienti molto luminosi come gli aeroporti e i grandi centri di passaggio.

Thanks to the Self-Diagnostic device inserted in the monitor, it is possible to control all the functions and the monitor's stability remotely.

This monitor is supplied with a special Front Filter on the monitor's screen that eliminates reflections that are typical in bright airports and areas with mass traffic.

Avec l'option Auto diagnostic, vous pouvez contrôler de loin toutes les fonctionnalités et la stabilité du moniteur.

Un filtre frontal, disposé sur la partie externe de l'écran, permet d'éliminer tous les reflets dus à la luminosité ambiante.

Gracias al susodicho dispositivo de Autodiagnostico, integrado en los monitores, es posible controlar de modo remoto todas las funciones y la estabilidad del monitor mismo, mientras un especial Front Filter, presente sobre la superficie externa del display, elimina las molestias debidas a las reflexiones de luz, característicos de los entornos muy luminosos como los aeropuertos y los grandes centros de paso.



DIGITAL INFORMATION DISPLAY

SELF DIAGNOSTIC



FUNZIONALITÀ AUTO-DIAGNOSTICHE (Self-Diagnostic)

Le funzionalità di Self-Diagnostic comprendono:

- la disabilitazione via remoto dell'accesso alla tastiera locale del monitor
- la disabilitazione via remoto del telecomando a raggi infrarossi
- il riscontro della corrispondenza del segnale visualizzato sul display con quello gestito dalla centrale
- il costante controllo delle ventole di raffreddamento per prevenire il possibile surriscaldamento del monitor
- il controllo della temperatura interna per prevenire il possibile surriscaldamento del monitor
- la regolazione automatica della luminosità del pannello a seconda delle condizioni ambientali

A richiesta possono essere sviluppate funzioni "avanzate", fra cui:

- il costante controllo delle lampade di backlight dell'apparecchio stesso
- il riscontro continuo delle tensioni interne di alimentazione
- il controllo della presenza di persone 'fisiche' in prossimità del monitor tramite un sensore a raggi infrarossi passivi

SELF-DIAGNOSTIC FUNCTIONALITY

The Self-Diagnostic functionality includes:

- destabilization with the keypad on the monitor
- destabilization via infrared remote control
- signal correspondence confirmation shown on the screen with the one in the central control station
- constant cooling fan control to prevent overheating
- internal temperature control to prevent the monitor from overheating
- automatic brightness adjustment according to the lighting conditions

On request, self-diagnostic can be improved with special functions, such as:

- constant backlight lamp control
- power supply confirmation
- infrared motion sensors that sense the presence of viewers

FONCTION AUTO DIAGNOSTIC

Cette fonction permet:

- La désactivation du clavier local du moniteur à distance.
- La désactivation de télécommande infrarouge à distance.
- La comparaison de la correspondance du signal visualisé sur l'écran avec celui géré par la centrale.
- Le contrôle constant des ventilateurs de refroidissement pour prévenir le réchauffement possible du moniteur.
- Le contrôle de la température interne pour prévenir le réchauffement du moniteur.
- La régulation automatique de la luminosité de la dalle en fonction de l'environnement.

Suivant requête, auto diagnostic peut être réalisé avec fonctions spéciales, comme:

- Le contrôle de la lampe du backlight du moniteur.
- La comparaison des tensions internes de l'alimentation.
- Le détecteur de présence par le capteur infra rouge.

FUNCIONES AUTO-DIAGNÓSTICO (Self-Diagnostic)

Las funciones de Self-Diagnostic comprenden:

- el deshabilitación vía remoto del acceso al teclado local del monitor
- el deshabilitación vía remoto del mando a distancia a rayos infrarrojos
- el cotejo de la correspondencia de la señal visualizada sobre el display con aquél administrado por la central
- el constante control de los ventiladores de enfriamiento para prevenir el posible sobrecalentamiento del monitor
- el control de la temperatura interior para prevenir el posible sobrecalentamiento del monitor
- la regulación automática de la luminosidad del panel según las condiciones ambientales

Su pedido, se pueden desarrollar funciones "avanzadas", como:

- el constante control de las lámparas de backlight del aparato mismo
- el cotejo continuo de las tensiones interiores de alimentación
- el control de presencia de personas 'físicas' en proximidad del monitor por un sensor a rayos infrarrojos pasivo

MONITOR HD FULL_HD TECHNICAL DATA

Por cuanto figurada la línea HD_FULL HD, los datos de placa de matrícula mantienen las excepcionales peculiaridades de la línea HD estándar, pero añaden una resolución Full HD a 1920x1080 píxeles, que permite realizar instalaciones a muy alta definición de la imagen.

Pour ce qui concerne le range HD_FULL HD, les données de base gardent les exceptionnelles caractéristiques des HD Standard mais ils ajoutent une résolution de 1920x1080 qui permet des installations de très haute définition de l'image.

For what the HD_FULL HD is concerned, the data keep the same extraordinary features than the HD standard range, but they add a resolution of 1920 x 1080, which enables exceptional installation at very high image definition.

Per quanto riguarda la linea HD_FULL HD, i dati di targa mantengono le eccezionali peculiarità della linea HD STANDARD, ma aggiungono una risoluzione di ben 1920 x 1080, che permette eccezionali installazioni ad altissima definizione dell'immagine.

	Product name:	SQUARE LCD 32"	SQUARE LCD 40"	QUADRO LCD 57" FullHD	QUADRO LCD 70" FullHD	QUADRO LCD 82" FullHD
DISPLAY PANEL	<p>Screen size: 32" (81 cm)</p> <p>Aspect Ratio: 16:9</p> <p>Resolution: 1366 (H) x 768 (V) pixels</p> <p>Pixel pitch: 0.51 (H) x 0.51 (V) [mm]</p> <p>Useful screen: 698 (H) x 392 (V) [mm]</p> <p>Brightness: 500 cd/m2 (typical)</p> <p>Contrast ratio: 1,500:1 (typical) 5,000:1 (dynamic)</p> <p>Viewing angle: 178° (in all directions)</p> <p>Colors: 16.7 Mil</p> <p>Response time: 8 mSec</p> <p>Front filter: Safety glass; light transmission > 90% antireflective glass 2 + 2 mm. + 0,38 mm. plastic film (optional)</p>	<p>Screen size: 40" (101 cm) diagonal</p> <p>Aspect Ratio: 16:9</p> <p>Resolution: 1366 (H) x 768 (V) pixels</p> <p>Pixel pitch: 0.65 (H) x 0.65 (V) [mm]</p> <p>Useful screen: 885 (H) x 497 (V) [mm]</p> <p>Brightness: 500 cd/m2 (typical)</p> <p>Contrast ratio: 2,000:1 (typical) 5,000:1 (dynamic)</p> <p>Viewing angle: 178° (in all directions)</p> <p>Colors: 16.7 Mil</p> <p>Response time: 8 mSec</p> <p>Front filter: Safety glass; light transmission > 90% antireflective glass 2 + 2 mm. + 0,38 mm. plastic film (optional)</p>	<p>Screen size: 57" (145 cm) diagonal</p> <p>Aspect Ratio: 16:9</p> <p>Resolution: 1920 (H) x 1080 (V) pixels</p> <p>Pixel pitch: 0.65 (H) x 0.65 (V) [mm]</p> <p>Useful screen: 1251 (H) x 704 (V) [mm]</p> <p>Brightness: 600 cd/m2 (typical)</p> <p>Contrast ratio: 2,000:1 (typical) 5,000:1 (dynamic)</p> <p>Viewing angle: 178° (in all directions)</p> <p>Colors: 16.7 Mil</p> <p>Response time: 8 ms</p> <p>Front filter: Safety glass; light transmission > 90% antireflective glass 2 + 2 mm. + 0,38 mm. plastic film (optional)</p>	<p>Screen size: 70" (175 cm) diagonal</p> <p>Aspect Ratio: 16:9</p> <p>Resolution: 1920 (H) x 1080 (V) pixels</p> <p>Pixel pitch: 0.65 (H) x 0.65 (V) [mm]</p> <p>Useful screen: 1251 (H) x 704 (V) [mm]</p> <p>Brightness: 600 cd/m2 (typical)</p> <p>Contrast ratio: 2,000:1 (typical) 5,000:1 (dynamic)</p> <p>Viewing angle: 178° (in all directions)</p> <p>Colors: 16.7 Mil</p> <p>Response time: 8 ms</p> <p>Front filter: Safety glass; light transmission > 90% antireflective glass 2 + 2 mm. + 0,38 mm. plastic film (optional)</p>	<p>Screen size: 82"</p> <p>Aspect Ratio: 16:9</p> <p>Resolution: 1920 (H) x 1080 (V) pixels</p> <p>Pixel pitch: 0.94 (H) x 0.94 (V) [mm]</p> <p>Useful screen: 1805 (H) x 1015 (V) [mm]</p> <p>Brightness: 500 cd/m2 (typical)</p> <p>Contrast ratio: 1200:1 (typical) 5,000:1 (dynamic)</p> <p>Viewing angle: 178° (in all directions)</p> <p>Colors: 16.7 Mil</p> <p>Response time: 8 ms</p> <p>Front filter: Safety glass; light transmission > 90% antireflective glass 2 + 2 mm. + 0,38 mm. plastic film (optional)</p>	
CONNECTIONS	<p>Video: 2 x RCA [CVBS, input] 1 x mini DIN 4 pin [Y/C, input] 3 x RCA [YPbPr, input]</p> <p>PC: 1 x Dsub-15 HD [Analog RGB, input] 1 x Dsub-15 HD [Analog RGB, output] 1 x HDMI (HDCP) [input] 1 x DVI-D [Digital RGB, input] 1 x DVI-D [Digital RGB, output]</p> <p>Audio: 2 x RCA [Video / S.Video stereo input] 2 x RCA [Component stereo input] 1 x jack 3.5 mm [PC stereo input]</p> <p>Control: 1 x Dsub-9 [female, input] 1 x Dsub-9 [male, output]</p>	<p>Video: 2 x RCA [CVBS, input] 1 x mini DIN 4 pin [Y/C, input] 3 x RCA [YPbPr, input]</p> <p>PC: 1 x Dsub-15 HD [Analog RGB, input] 1 x Dsub-15 HD [Analog RGB, output] 1 x HDMI (HDCP) [input] 1 x DVI-D [Digital RGB, input] 1 x DVI-D [Digital RGB, output]</p> <p>Audio: 2 x RCA [Video / S.Video stereo input] 2 x RCA [Component stereo input] 1 x jack 3.5 mm [PC stereo input]</p> <p>Control: 1 x Dsub-9 [female, input] 1 x Dsub-9 [male, output]</p>	<p>Video: 2 x RCA [CVBS, input] 1 x mini DIN 4 pin [Y/C, input] 3 x RCA [YPbPr, input]</p> <p>PC: 1 x Dsub-15 HD [Analog RGB, input] 1 x Dsub-15 HD [Analog RGB, output] 1 x HDMI (HDCP) [input] 1 x DVI-D [Digital RGB, input] 1 x DVI-D [Digital RGB, output]</p> <p>Audio: 2 x RCA [Video / S.Video stereo input] 2 x RCA [Component stereo input] 1 x jack 3.5 mm [PC stereo input]</p> <p>Control: 1 x Dsub-9 [female, input] 1 x Dsub-9 [male, output]</p>	<p>Video: 2 x RCA [CVBS, input] 1 x mini DIN 4 pin [Y/C, input] 3 x RCA [YPbPr, input]</p> <p>PC: 1 x Dsub-15 HD [Analog RGB, input] 1 x Dsub-15 HD [Analog RGB, output] 1 x HDMI (HDCP) [input] 1 x DVI-D [Digital RGB, input] 1 x DVI-D [Digital RGB, output]</p> <p>Audio: 2 x RCA [Video / S.Video stereo input] 2 x RCA [Component stereo input] 1 x jack 3.5 mm [PC stereo input]</p> <p>Control: 1 x Dsub-9 [female, input] 1 x Dsub-9 [male, output]</p>	<p>Video: 2 x RCA [CVBS, input] 1 x mini DIN 4 pin [Y/C, input] 3 x RCA [YPbPr, input]</p> <p>PC: 1 x Dsub-15 HD [Analog RGB, input] 1 x Dsub-15 HD [Analog RGB, output] 1 x HDMI (HDCP) [input] 1 x DVI-D [Digital RGB, input] 1 x DVI-D [Digital RGB, output]</p> <p>Audio: 2 x RCA [Video / S.Video stereo input] 2 x RCA [Component stereo input] 1 x jack 3.5 mm [PC stereo input]</p> <p>Control: 1 x Dsub-9 [female, input] 1 x Dsub-9 [male, output]</p>	
FEATURES	<p>Video compatibility: PAL (BGH/D/I, M, N, 60), NTSC (M, 4.43), SECAM</p> <p>Video signal level: CVBS: 1 Vpp / 75 Ohm - nominal (with AGC) Y/C: 1 Vpp / 75 Ohm - nominal (with AGC) YPbPr: 0.7 Vpp / 75 Ohm</p> <p>PC compatibility: VGA - UXGA (1600x1200)/1080P, NATIVE (1366x768) Loop-through for VGA signal Automatic frequency detection</p> <p>PC signal level: RGB: 0.7 Vpp / 75 Ohm (RGB), TTL (HV) 1 x DVI-D [Digital RGB HDCP 1,1] Loop-through digital output of the active source Support all the sources and convert to digital Dvi for no-signal-loss</p> <p>Frequency range: 1 x HDMI [Digital RGB HDCP 1,1] Horizontal: 20 KHz - 82 KHz Vertical: 55 Hz - 90 Hz</p> <p>Audio signal level: Audio Input: 0.15 to 1 V Audio Output: 2 x 7W (10% THD) (optional)</p> <p>Speakers: Built-in stereo speakers (optional)</p> <p>Control interfaces: Local Keyboard Infrared Remote Control</p> <p>Others: RS-232 Loop-through Serial control for all the features Internal fan control by internal temperature for active cooling manual/auto with programmable temperature and Hysteresis range Internal temperature reading by serial enabling active diagnostics Selectable dimming level Serial control for all the features with individual monitor addressing by ID DPMS power - saving on VGA and Dvi inputs Anti- burnig panel (Pixel shift/ Dot cleaner/ Gray curtain on blank area Custom color temperature can be regulated and recalled Internal videowall up to 5 x 5 Easy-to-use zooming with position selection Natural mode image by Bezel compensation</p>	<p>Video compatibility: PAL (BGH/D/I, M, N, 60), NTSC (M, 4.43), SECAM</p> <p>Video signal level: CVBS: 1 Vpp / 75 Ohm - nominal (with AGC) Y/C: 1 Vpp / 75 Ohm - nominal (with AGC) YPbPr: 0.7 Vpp / 75 Ohm</p> <p>PC compatibility: VGA - UXGA (1600x1200)/1080P, NATIVE (1366x768) Loop-through for VGA signal Automatic frequency detection</p> <p>PC signal level: RGB: 0.7 Vpp / 75 Ohm (RGB), TTL (HV) 1 x DVI-D [Digital RGB HDCP 1,1] Loop-through digital output of the active source Support all the sources and convert to digital Dvi for no-signal-loss</p> <p>Frequency range: 1 x HDMI [Digital RGB HDCP 1,1] Horizontal: 20 KHz - 82 KHz Vertical: 55 Hz - 90 Hz</p> <p>Audio signal level: Audio Input: 0.15 to 1 V Audio Output: 2 x 7W (10% THD) (optional)</p> <p>Speakers: Built-in stereo speakers (optional)</p> <p>Control interfaces: Local Keyboard Infrared Remote Control</p> <p>Others: RS-232 Loop-through Serial control for all the features Internal fan control by internal temperature for active cooling manual/auto with programmable temperature and Hysteresis range Internal temperature reading by serial enabling active diagnostics Selectable dimming level Serial control for all the features with individual monitor addressing by ID DPMS power - 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CONTROLS	<p>Video: Brightness, Contrast, Color, Sharpness, Hue Colour temperature (4 selections) Source selection Picture freeze</p> <p>Geometry: PIP/SPLIT SCREEN (Picture by Picture) Self adjustment of picture dimension Manual adjustment of picture position Selection of format presets (for compatibility with 4:3 and 16:9 pictures)</p> <p>Audio: Volume, Balance, Treble, Bass, Equalizer Stereo/Mono selection Internal/External speaker selection (external speakers not included)</p> <p>Others: Stand-by mode Status Indication Programmable OSD position and aspect Multilanguage Menu (DE, ES, FR, GB, IT) Display address selection DPMS (optional) Videowall (optional, up on request) More functions available according to customer's request</p>	<p>Video: Brightness, Contrast, Color, Sharpness, Hue Colour temperature (4 selections) Source selection Picture freeze</p> <p>Geometry: PIP/SPLIT SCREEN (Picture by Picture) Self adjustment of picture dimension Manual adjustment of picture position Selection of format presets (for compatibility with 4:3 and 16:9 pictures)</p> <p>Audio: Volume, Balance, Treble, Bass, Equalizer Stereo/Mono selection Internal/External speaker selection (external speakers not included)</p> <p>Others: Stand-by mode Status Indication Programmable OSD position and aspect Multilanguage Menu (DE, ES, FR, GB, IT) Display address selection DPMS (optional) Videowall (optional, up on request) More functions available according to customer's request</p>	<p>Video: Brightness, Contrast, Color, Sharpness, Hue Colour temperature (4 selections) Source selection Picture freeze</p> <p>Geometry: PIP/SPLIT SCREEN (Picture by Picture) Self adjustment of picture dimension Manual adjustment of picture position Selection of format presets (for compatibility with 4:3 and 16:9 pictures)</p> <p>Audio: Volume, Balance, Treble, Bass, Equalizer Stereo/Mono selection Internal/External speaker selection (external speakers not included)</p> <p>Others: Stand-by mode Status Indication Programmable OSD position and aspect Multilanguage Menu (DE, ES, FR, GB, IT) Display address selection DPMS (optional) Videowall (optional, up on request) More functions available according to customer's request</p>	<p>Video: Brightness, Contrast, Color, Sharpness, Hue Colour temperature (4 selections) Source selection Picture freeze</p> <p>Geometry: PIP/SPLIT SCREEN (Picture by Picture) Self adjustment of picture dimension Manual adjustment of picture position Selection of format presets (for compatibility with 4:3 and 16:9 pictures)</p> <p>Audio: Volume, Balance, Treble, Bass, Equalizer Stereo/Mono selection Internal/External speaker selection (external speakers not included)</p> <p>Others: Stand-by mode Status Indication Programmable OSD position and aspect Multilanguage Menu (DE, ES, FR, GB, IT) Display address selection DPMS (optional) Videowall (optional, up on request) More functions available according to customer's request</p>	<p>Video: Brightness, Contrast, Color, Sharpness, Hue Colour temperature (4 selections) Source selection Picture freeze</p> <p>Geometry: PIP/SPLIT SCREEN (Picture by Picture) Self adjustment of picture dimension Manual adjustment of picture position Selection of format presets (for compatibility with 4:3 and 16:9 pictures)</p> <p>Audio: Volume, Balance, Treble, Bass, Equalizer Stereo/Mono selection Internal/External speaker selection (external speakers not included)</p> <p>Others: Stand-by mode Status Indication Programmable OSD position and aspect Multilanguage Menu (DE, ES, FR, GB, IT) Display address selection DPMS (optional) Videowall (optional, up on request) More functions available according to customer's request</p>	
PHYSICAL	<p>Dimensions: 815 (W) x 505 (H) x 110 (D)</p> <p>Weight: 17,5 Kg (without base)</p> <p>Mains voltage: 115/230 VAC ± 15%, 50/60 Hz</p> <p>Power consumption: 200 W</p> <p>Operating conditions: Storage: -20°C to 65°C (max 85% RH not condensing) Working: 0°C to 50°C (max 85% RH not condensing)</p> <p>Class protection: IP30</p>	<p>Dimensions: 1000 (W) x 605 (H) x 120 (D)</p> <p>Weight: 31 Kg (without base)</p> <p>Mains voltage: 115/230 VAC ± 15%, 50/60 Hz</p> <p>Power consumption: 230W</p> <p>Operating conditions: Storage: -20°C to 65°C (max 85% RH not condensing) Working: 0°C to 50°C (max 85% RH not condensing)</p> <p>Class protection: IP30</p>	<p>Dimensions: 1375 (W) x 828 (H) x 175 (D)</p> <p>Weight: 1375 (W) x 828 (H) x 132 (D) (without handle) 55Kg (without base)</p> <p>Mains voltage: 115/230 VAC ± 15%, 50/60 Hz</p> <p>Power consumption: 500W</p> <p>Operating conditions: Storage: -20°C to 65°C (max 85% RH not condensing) Working: 0°C to 50°C (max 85% RH not condensing)</p> <p>Class protection: IP30</p>	<p>Dimensions: 1375 (W) x 828 (H) x 175 (D)</p> <p>Weight: 1375 (W) x 828 (H) x 132 (D) (without handle) 55Kg (without base)</p> <p>Mains voltage: 115/230 VAC ± 15%, 50/60 Hz</p> <p>Power consumption: 700W</p> <p>Operating conditions: Storage: -20°C to 65°C (max 85% RH not condensing) Working: 0°C to 50°C (max 85% RH not condensing)</p> <p>Class protection: IP30</p>	<p>Dimensions: 1923 (W) x 1123 (H) x 135 (D) *</p> <p>Weight: 80 Kg (without base)</p> <p>Mains voltage: 115/230 VAC ± 15%, 50/60 Hz</p> <p>Power consumption: 700W</p> <p>Operating conditions: Storage: -20°C to 65°C (max 85% RH not condensing) Working: 0°C to 50°C (max 85% RH not condensing)</p> <p>Class protection: IP30</p>	
ACCESSORIES	<p>Power cable Remote control with batteries User manual</p>	<p>Power cable Remote control with batteries User manual</p>	<p>Power cable Remote control with batteries User manual</p>	<p>Power cable Remote control with batteries User manual</p>	<p>Power cable Remote control with batteries User manual</p>	
					* PRELIMINARY INDICATIVE	



FLIGHT	FROM	TIME	GATE	NOTICE	DELAY
AZ 306 R	ROME	14:15	G14	ON-TIME	LANDED
YZ 125 P	MILAN	14:35	G12	ON-TIME	LANDED
YZ 201 Y	NICE	14:40	A11	ON-TIME	LANDED
AZ 256 V	ROME	14:45	B23	DELAYED	
AF 212 Z	NAPLE	14:50	F24	ON-TIME	
AZ 115 F	MILAN	14:55	A22	DELAYED	
BA 309 C	LONDON	15:00	A09	ON-TIME	

Terminal 2 - Arrivals

FLIGHT	FROM	TIME	GATE	NOTICE	DELAY
AZ 306 R	ROME	14:15	G14	ON-TIME	LANDED
YZ 125 P	MILAN	14:35	G12	ON-TIME	LANDED
YZ 201 Y	NICE	14:40	A11	ON-TIME	LANDED
AZ 256 V	ROME	14:45	B23	DELAYED	
AF 212 Z	NAPLE	14:50	F24	ON-TIME	
AZ 115 F	MILAN	14:55	A22	DELAYED	
BA 309 C	LONDON	15:00	A09	ON-TIME	

RACK EMBEDDED PC

- SQUARE LCD 32" RPC monitor
- SQUARE LCD 40" RPC monitor
- SQUARE LCD 46" RPC monitor
- e opzionalis
- QUADRO LCD 46" Full RPC monitor
- QUADRO LCD 57" Full RPC monitor
- QUADRO LCD 70" Full RPC monitor
- QUADRO LCD 82" Full RPC monitor

Questa gamma è stata specificatamente disegnata e rieditata per particolari installazioni videoinformative quali aeroporti, ferrovie, trade shows e shopping center. I monitor LCD di questa linea rappresentano una delle più importanti ed innovative soluzioni professionali in quanto vantano una speciale integrazione di un PC con performance liberamente selezionabili dall'integratore di sistema, configurato per la gestione locale dei contenuti e l'automazione della visualizzazione di dati e immagini in ambienti pubblici.

This range's LCD monitors are the most popular and innovative professional solutions because they have a special integrated custom PC, whose features are freely selected by the system integrator, to manage data and image content and automation viewing in public areas.

Cette gamme a été conçue pour des installations spécifiques. L'offre PC Rack se décline dans les tailles suivantes : 32", 40" et 46" en résolution HD et sur demande en 57", 70" et 82" en résolution Full HD. Les moniteurs LCD représentent une des plus importantes et innovantes solutions professionnelles. Une intégration spéciale d'un PC avec performances sélectionnables par l'intégrateur du système configuré pour la gestion locale des contenus et la visualisation automatique des données et des images des lieux publics.

Esta gama ha sido dibujada precisamente y reeditada por particulares instalaciones video informativas cuál aeropuertos, ferrocarriles, trade shows y centros comerciales: los monitores LCD TFT Rack PC Embedded con formado 32", 40", 46" y sobre solicitud 57" 70" y 82." Los monitores LCD de esta línea representan a una de las más importantes e innovativas soluciones profesionales en cuanto se jactan de una especial integración de un Custom PC con performance libremente seleccionables del integrador de sistema, configurada por la gestión local de los contenidos y la automatización de la visualización de datos e imágenes en entornos públicos.

DIGITAL INFORMATION DISPLAY

RACK EMBEDDED PC HD_FULL HD



- STRUTTURA METALLICA IN ALLUMINIO RINFORZATO
- SPECIALE FILTRO ANTIRIFLESSO
- DISPOSITIVO DI AUTODIAGNOSTICA



La struttura metallica in alluminio rinforzato, sviluppata per garantire le migliori prestazioni di qualità e affidabilità, sono a norma con le categorie IP e tutti i parametri possono essere controllati da una semplice interfaccia RS 232.

In Hantarex ogni richiesta viene accolta come una sfida a soddisfare qualsiasi esigenza!

Sono infatti disponibili su richiesta, e per particolari applicazioni videoinformative, i formati oversize della gamma LCD: i 57", 70" e gli 82" offrono una risoluzione di 1920 x 1080 pixels, caratteristiche di contrasto e luminosità altissime e possono essere dotati di dispositivo di Autodiagnostica per il controllo remoto delle funzionalità e della stabilità del monitor, oltre alla possibilità di avere un PC integrato, come nei formati più ridotti.

The reinforced aluminum structure, developed to guarantee quality and reliability, conforms to IP categories and all the parameters can be controlled simply with an RS 232 interface.

At Hantarex, any request is considered as a challenge to satisfy their customers' every need. Possible options for video information applications include oversized 57", 70" and 82" screens for the LCD range that have a resolution of 1920 x 1080 pixels, very high brightness and contrast characteristics. They can also be supplied with a Self-Diagnostic device in order to remotely control the monitor's functions and stability; they can have an integrated PD and very small formats.

La structure métallique en aluminium renforcé garantit une meilleure prestation de qualité et de fiabilité. Les moniteurs répondent aux normes de catégorie IP et tous les paramètres peuvent être contrôlés par l'interface RS232. Avec Hantarex, chaque demande est étudiée pour répondre aux besoins du client! Sur demande spécifique, nous pouvons vous fournir les formats 57", 70" et 82" de technologie LCD de résolution Full HD, avec un contraste et une luminosité très élevés. En plus de ces caractéristiques, nous avons la possibilité d'y intégrer la fonction auto diagnostic et également un PC (comme pour les formats standards).

La estructura metálica de aluminio reforzado, desarrollada para garantizar las mejores prestaciones de calidad y fiabilidad, son a norma con las categorías IP y todos los parámetros pueden ser controlados por una simple interfaz RS 232.

¡En Hantarex cada solicitud es acogida como un desafío a satisfacer cualquiera exigencia!

Soy en efecto disponibles sobre solicitud, y por particulares aplicaciones vídeo informativas, los formatos oversize de la gama LCD: los 57", 70" y los 82" ofrecen una resolución de 1920x1080 píxeles, características de contraste y luminosidades altas y pueden ser dotados con aparato de Autodiagnostico para el control remoto de las funciones y la estabilidad del monitor, además de la posibilidad de tener un PC integrado, como en los tamaños más reducidos.

La capacidad de Hantarex de dar respuestas profesionales personalizadas empuja, con esta nueva gama de productos, a los confines más extremos: sobre solicitud del cliente es posible personalizar la configuración del software y el hardware, del PC Rack integrado en el monitor y hasta los detalles estructurales, tecnológicos y estéticos.

SQUARE LCD 32" RPC monitor
SQUARE LCD 40" RPC monitor
SQUARE LCD 46" RPC monitor
e opzionali

QUADRO LCD 46" Full RPC monitor
QUADRO LCD 57" Full RPC monitor
QUADRO LCD 70" Full RPC monitor
QUADRO LCD 82" Full RPC monitor

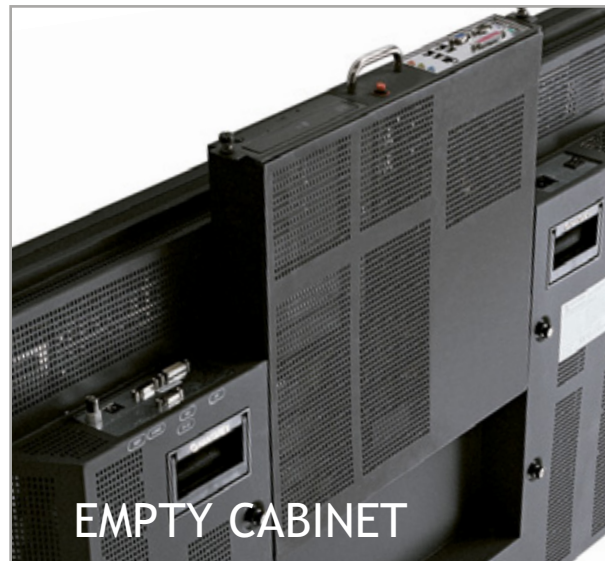
**RACK
EMBEDDED PC
HD_FULL HD**





Il PC è inserito nel cabinet del monitor e può essere facilmente disinserito facendolo scorrere dal cassetto posto nel retro.

RACK PC sliding out



EMPTY CABINET



RACK PC inside

Il PC è inserito nel cabinet del monitor e può essere facilmente disinserito facendolo scorrere dal cassetto posto nel retro.

Come per altri monitor professionali dedicati alla video informazione pubblica, anche questo innovativo prodotto ha sulla superficie esterna del display uno speciale filtro antiriflesso che elimina tutti i disturbi e le problematiche tipiche degli ambienti troppo illuminati.

La capacità di Hantarex di dare risposte professionali personalizzate si spinge, con questa nuova gamma di prodotti, ai confini più estremi: su richiesta del cliente è possibile personalizzare la configurazione del software e dell'hardware, del PC Rack integrato nel monitor e persino i dettagli strutturali, tecnologici ed estetici.

The PC is inserted in a cabinet in the back of the monitor and can be easily removed by sliding out the drawer/rack.

Like with other professional monitors dedicated to public video information, also this innovative product has a special anti-reflection screen that eliminates the typical reflections in brightly lit public areas. Hantarex's is able to give personalized professional solutions with this new product range, which is pushing the limits.

Upon request, it is possible to personalize the software and hardware of the PC Rack computer integrated in the monitor as well as the structure, technology and esthetics.

Le PC se situe au dos du moniteur et est inséré dans un rack. Son insertion est facile, il suffit uniquement de le faire coulisser dans les rails prévus à cet effet. Le moniteur LCD PC Rack dispose également d'un filtre frontal permettant l'élimination de tous reflets liés à un environnement lumineux.

La capacité de Hantarex de donner des réponses professionnelles personnalisées, avec cette gamme, se pousse aux limites plus extrêmes : sur requête des clients on peut personnaliser la configuration software et hardware, du Pc rack intégré dans le moniteur et même les détails structuraux, technologiques et esthétiques.

El PC es insertado en el mueble del monitor y puede ser fácilmente desconectado haciendo deslizar el cajón puesto en el reverso. Como por otros monitores profesionales dedicados a la video información al público, también este innovativo producto tiene sobre la superficie externa del display uno especial filtro antirreflejo que elimina todas las molestias y las problemáticas típicas de los entornos demasiado iluminados.

DIGITAL INFORMATION DISPLAY

RACK
EMBEDDED PC
HD_FULL HD

RACK EMBEDDED PC TECHNICAL DATA

	Product name:	SQUARE LCD 32" RPC	SQUARE LCD 40" RPC	SQUARE LCD 46" RPC
DISPLAY PANEL	Screen size: Aspect Ratio: Resolution: Pixel pitch: Useful screen: Brightness: Contrast ratio: Viewing angle: Colors: Response time: Front filter:	32" (81 cm) 16:9 1366 (H) x 768 (V) pixels 0.51 (H) x 0.51 (V) [mm] 696 (H) x 392 (V) [mm] 500 cd/m2 (typical) 1,200:1 (typical) 5,000: 1 (dynamic) 180° (in all directions) 16.7 Mil 8 mSec Safety glass; light transmission > 90% antireflective glass 2 + 2 mm. + 0,38 mm. plastic film (optional)	40" (101 cm) diagonal 16:9 1366 (H) x 768 (V) pixels 0.65 (H) x 0.65 (V) [mm] 885 (H) x 497 (V) [mm] 500 cd/m2 (typical) 1,200:1 (typical) 5,000: 1 (dynamic) 180° (in all directions) 16.7 Mil 8 mSec Safety glass; light transmission > 90% antireflective glass 2 + 2 mm. + 0,38 mm. plastic film (optional)	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] 500 cd/m2 (typical) 1,200:1 (typical) 5,000: 1 (dynamic) 180° (in all directions) 16.7 Mil 8 mSec Safety glass; light transmission > 90% antireflective glass 2 + 2 mm. + 0,38 mm. plastic film (optional)
CONNECTIONS	Video: PC: Audio: Control:	1 x BNC [CVBS, input only] 1 x mini DIN 4 pin [Y/C, input only] 1 x Dsub-15 HD [Analog RGB, input only] 1 x DVI-D [Digital RGB, input only] - 1 x Dsub-9 female [Input]	1 x BNC [CVBS, input only] 1 x mini DIN 4 pin [Y/C, input only] 1 x Dsub-15 HD [Analog RGB, input only] 1 x DVI-D [Digital RGB, input only] - 1 x Dsub-9 female [Input]	1 x BNC [CVBS, input only] 1 x mini DIN 4 pin [Y/C, input only] 1 x Dsub-15 HD [Analog RGB, input only] 1 x DVI-D [Digital RGB, input only] - 1 x Dsub-9 female [Input]
FEATURES	Video compatibility: Video signal level: PC compatibility: PC signal level: Frequency range: Audio signal level: Speakers: Control interfaces:	PAL (BGH/D/I, M, N, 60), NTSC (M, 4.43), SECAM CVBS: 1 Vpp / 75 Ohm - nominal (with AGC) Y/C: 1 Vpp / 75 Ohm - nominal (with AGC) VGA - SXGA (1600x1200), NATIVE (1366x768) Automatic frequency detection RGB: 0.7 Vpp / 75 Ohm (RGB), TTL (HV) 1 x DVI-D [Digital RGB, input only] Horizontal: 15 KHz - 85 KHz Vertical: 50 Hz - 85 Hz - - Local Keyboard Infrared Remote Control RS-232 Serial Port Commands and controls are available from any of the three user's interfaces Keyboard and Remote Control are OSD assisted (64k colour)	PAL (BGH/D/I, M, N, 60), NTSC (M, 4.43), SECAM CVBS: 1 Vpp / 75 Ohm - nominal (with AGC) Y/C: 1 Vpp / 75 Ohm - nominal (with AGC) VGA - SXGA (1600x1200), NATIVE (1366x768) Automatic frequency detection RGB: 0.7 Vpp / 75 Ohm (RGB), TTL (HV) 1 x DVI-D [Digital RGB, input only] Horizontal: 15 KHz - 85 KHz Vertical: 50 Hz - 85 Hz - - Local Keyboard Infrared Remote Control RS-232 Serial Port Commands and controls are available from any of the three user's interfaces Keyboard and Remote Control are OSD assisted (64k colour)	PAL (BGH/D/I, M, N, 60), NTSC (M, 4.43), SECAM CVBS: 1 Vpp / 75 Ohm - nominal (with AGC) Y/C: 1 Vpp / 75 Ohm - nominal (with AGC) VGA - SXGA (1600x1200), NATIVE (1366x768) Automatic frequency detection RGB: 0.7 Vpp / 75 Ohm (RGB), TTL (HV) 1 x DVI-D [Digital RGB, input only] Horizontal: 15 KHz - 85 KHz Vertical: 50 Hz - 85 Hz - - Local Keyboard Infrared Remote Control RS-232 Serial Port Commands and controls are available from any of the three user's interfaces Keyboard and Remote Control are OSD assisted (64k colour)
CONTROLS	Video: Geometry: Audio: Others:	Brightness, Contrast, Color, Sharpness, Hue Colour temperature Source selection Self adjustment of picture dimension Free adjustment of picture position - Stand-by mode Status Indication Programmable OSD position and aspect Multilanguage Menu (D, E, F, GB, I) Display address selection DPMS Auto Input Search More functions available according to customer's request	Brightness, Contrast, Color, Sharpness, Hue Colour temperature Source selection Self adjustment of picture dimension Free adjustment of picture position - Stand-by mode Status Indication Programmable OSD position and aspect Multilanguage Menu (D, E, F, GB, I) Display address selection DPMS Auto Input Search More functions available according to customer's request	Brightness, Contrast, Color, Sharpness, Hue Colour temperature Source selection Self adjustment of picture dimension Free adjustment of picture position - Stand-by mode Status Indication Programmable OSD position and aspect Multilanguage Menu (D, E, F, GB, I) Display address selection DPMS Auto Input Search More functions available according to customer's request
PHYSICAL	Dimensions: Weight: Mains voltage: Power consumption: Operating conditions: Class protection:	815 (W) x 505 (H) x 125 (D) 31 Kg (without base and pc rack) 115/230 VAC ± 15%, 50/60 Hz 200 W Storage: -20°C to 65°C (max 85% RH not condensing) Working: 0°C to 50°C (max 85% RH not condensing) IP30	1000 (W) x 605 (H) x 125 (D) 33 Kg (without base and pc rack) 115/230 VAC ± 15%, 50/60 Hz 230W Storage: -20°C to 65°C (max 85% RH not condensing) Working: 0°C to 50°C (max 85% RH not condensing) IP30	1136 (W) x 680 (H) x 125 (D) 48 Kg (without base and pc rack) 115/230 VAC ± 15%, 50/60 Hz 300W Storage: -20°C to 65°C (max 85% RH not condensing) Working: 0°C to 50°C (max 85% RH not condensing) IP30
ACCESSORIES		Power cable Remote control with batteries User manual	Power cable Remote control with batteries User manual	Power cable Remote control with batteries User manual
NOTES		Integrated PC rack optionally available Any mechanical frame available upon request	Integrated PC rack optionally available Any mechanical frame available upon request	Integrated PC rack optionally available Any mechanical frame available upon request
INTEGRATED PC RACK	Motherboard: Drive configuration: Controls: Power supply: Mains voltage:	Support microATX - v1.1 spec. Mini ITX (contact factory for connector layout and height constraints) 1 x 5.25" exposed 1 x 3.5" internal Power switch ATX 200W CE PFC P4 (optional) 115/230 VAC ± 15%, 50/60 Hz	Support microATX - v1.1 spec. (contact factory for connector layout and height constraints) 1 x 5.25" exposed 1 x 3.5" internal Power switch ATX 200W CE PFC P4 (optional) 115/230 VAC ± 15%, 50/60 Hz	Support microATX - v1.1 spec. (contact factory for connector layout and height constraints) 1 x 5.25" exposed 1 x 3.5" internal Power switch ATX 200W CE PFC P4 (optional) 115/230 VAC ± 15%, 50/60 Hz

Disponibili su richiesta, per particolari applicazioni video informative, monitor di grandi dimensioni e con alte risoluzioni sempre con tecnologia a cristalli liquidi.

Available upon request, for special video informative applications, big dimensions and high resolutions monitors always in the lcd technology.

A partir d'une certaine quantité, pour des applications particulières video informatives, Hantarex a la capacité de donner des réponses professionnelles personnalisées à ses clients; moniteurs de grandes dimensions et avec haute résolutions, toujours avec technologie à cristaux liquides.

Disponibles su pedido, por particulares aplicaciones video informativas, monitores de grande tamaños y con altas resoluciones siempre con tecnología a cristales líquidos.