



Digital Signage & Kiosk Solutions

artech
art of technology






Professional Digital Signage Displays

Innovator in Digital Signage and Kiosk Solutions

- Artech Professional Information Displays are a prominent technology among high-performance visual displays in industrial and professional environments.
- It has many applications in corporate areas, control rooms, factories, retail and many more.
- Display options ranging from 27" to 65" offer a wide range of viewing options, allowing you to communicate most effectively with your customers.



Why Artech Digital Signage & Kiosk Solutions?

-  Innovative and competitive products
-  Robust and durable design
-  Extended warranty period
-  Sustainable spare parts supply
-  Smooth running performance

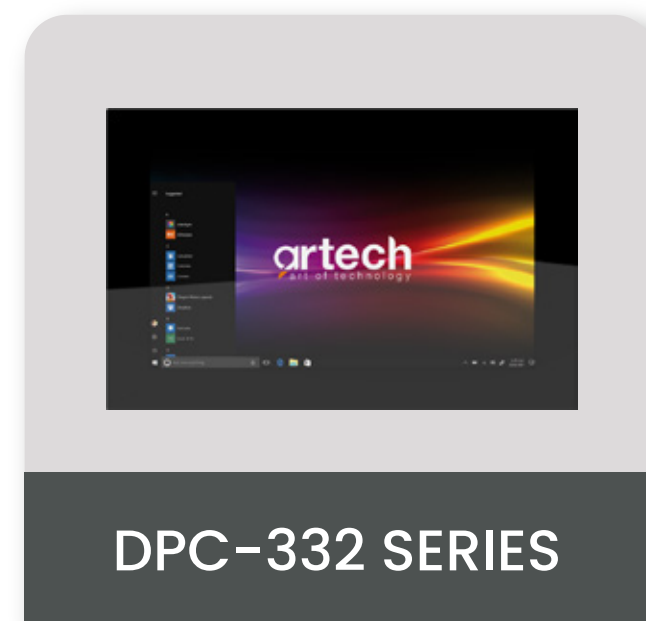
With over a quarter of a century of experience in industrial system technologies and our proud domestic production capability, we are privileged to offer extraordinary and sustainable products.

Superior Benefits of Artech Professional Information Displays

- Artech Professional Information Displays are the perfect solution for maximizing user experience, optimizing business processes, and conducting effective promotional activities.
- These benefits help businesses operate more efficiently, reliably, and competitively.



Scan the QR code for detailed information about ARTECH Professional Information Display.





1-Increased Efficiency and Speed:

Artech Professional Information Displays allow data to be displayed clearly and in detail thanks to their large screen size and high resolution. This feature significantly increases overall business efficiency by speeding up decision-making processes.

2-Reduced Error Rates:

Accurate and precise information presented on displays in control rooms or factories minimizes error rates. Operators can access more comprehensive information, helping identify and fix potential errors in advance.

3-Use in Various Industrial Applications:

Artech displays address various industry applications. Artech displays can be used effectively in many areas, from factories to control rooms and healthcare to retail and transportation systems.

4-Durability and Longevity:

Artech Professional Signage Displays have durability features specifically designed for industrial environments. This increases businesses' sustainability with long life and low maintenance costs.

Why Artech Professional Information Displays?

1- Customizability:

Artech displays offer a wide range of customization to match your organization's identity. The architectural design can be customized with details such as company logos and colour options.

2-Wide Range of Size and Resolution Options:

A wide range of screen sizes from 27" to 65" and high resolution allow data visualization, promotions, advertising, and visual communication materials to be clearly presented to customers. This improves your business's efficiency and provides a more compelling user experience.

3-Brightness and Color Accuracy:

High brightness levels and an accurate colour gamut allow displays to perform optimally in a various of environments. They provide clear viewing even in places exposed to sunlight or high-light conditions.



4-Durability and Longevity:

Designed for industrial use, Artech displays are specially manufactured to meet expectations for abrasion, impact resistance and longevity. This means low maintenance costs and long-term investment value.

5-Application Diversity:

With a wide range of applications from control rooms to factories and retail to healthcare organizations, Artech Professional Signage Displays are designed to meet the needs of different industries.

6-Advanced Technology:

Equipped with advanced technology and features, Artech displays are optimized for information presentation, control systems, visual analysis applications, advertising, and promotion. Thus, they can respond to all your visual communication needs at the highest level.





Customization



Enhance Your Corporate Identity and Image:

The product can be customized with your corporate colours and logo. This allows you to customize the product according to your organization's aesthetics and design concept.



Professional Look:

Customization with corporate colours and logos gives the product a professional look. It provides customers and business partners with a high-quality, unique impression.



Increase Brand Recognition and Awareness:

A customized product can be an effective way to promote your brand. Corporate colours and logos can increase brand awareness and leave a lasting impression in the minds of those who see the product.



Aesthetic Harmony and Professionalism:

Corporate colours and logos keep the product in aesthetic harmony with other design elements used inside and outside the organization, reinforcing the overall sense of corporate professionalism.



Create Your Own Brand Identity:

The customizability feature allows you to fully align the product with your brand identity, creating a unique customer experience.



LCD Panel Features:

① Professional Grade (Suitable for 24/7 Operation):

Displays are designed to withstand continuous and intensive use conditions and operate 24/7.

② Sizes:

It is available in various sizes, including 26", 32", 43", 49", 55", and 65", providing options for different space and application needs.

③ Format:

Available in widescreen format (16:9), providing a large viewing area.

④ Resolution:

1920 x 1080 Full HD resolution delivers clear and detailed images.

⑤ LCD Panel Technology:

IPS (In-Plane Switching) technology provides wide viewing angles and colour accuracy.

⑥ Backlight Technology:

LED technology delivers superior performance in energy efficiency and brightness.

⑦ Orientation:

Horizontal and vertical usage options allow for adequate display of various content.

⑧ G to G (Graph Response Time):

8ms (milliseconds) ensures fast and smooth viewing.

⑨ Brightness:

450cd/m2 brightness level delivers impressive image quality in different lighting conditions.

④ Contrast:

1/1100 contrast ratio highlights colour and tonal separations.

⑤ Viewing Angle:

178/178-degree viewing angles ensure a clear screen view from any angle.

⑥ Backlight Life:

Fifty thousand hours promises long-lasting and durable use.





Monitor Specifications:

① Video Inputs:

A variety of video inputs, such as HDMI, DVI, and VGA, provide flexibility for connecting video content from different devices.

② Audio:

2 x 5-watt concealed built-in stereo speakers provide sufficient sound quality for clear transmission of audio content.

③ Serial Communication:

RS-232 indicates that the monitor is compatible with serial communication with other devices.

④ Remote Control:

Hidden IR Remote Control Eye allows easy and remote control.

⑤ Local Control:

Hidden Buttons and OSD Menu allow local control of the monitor.

Internal Player Specifications (SOC):

① CPU:

All Winner R18, Quad Core, Cortex A53 1.5 GHz processor provides a robust foundation for high-performance operations.

② Ram:

4 GB RAM allows for smooth multitasking.

③ HD:

32GB Flash storage provides ample space for storing content and quick access.

④ Video Output:

HDMI video output allows high-definition video to be streamed to external displays.

⑤ Audio Output:

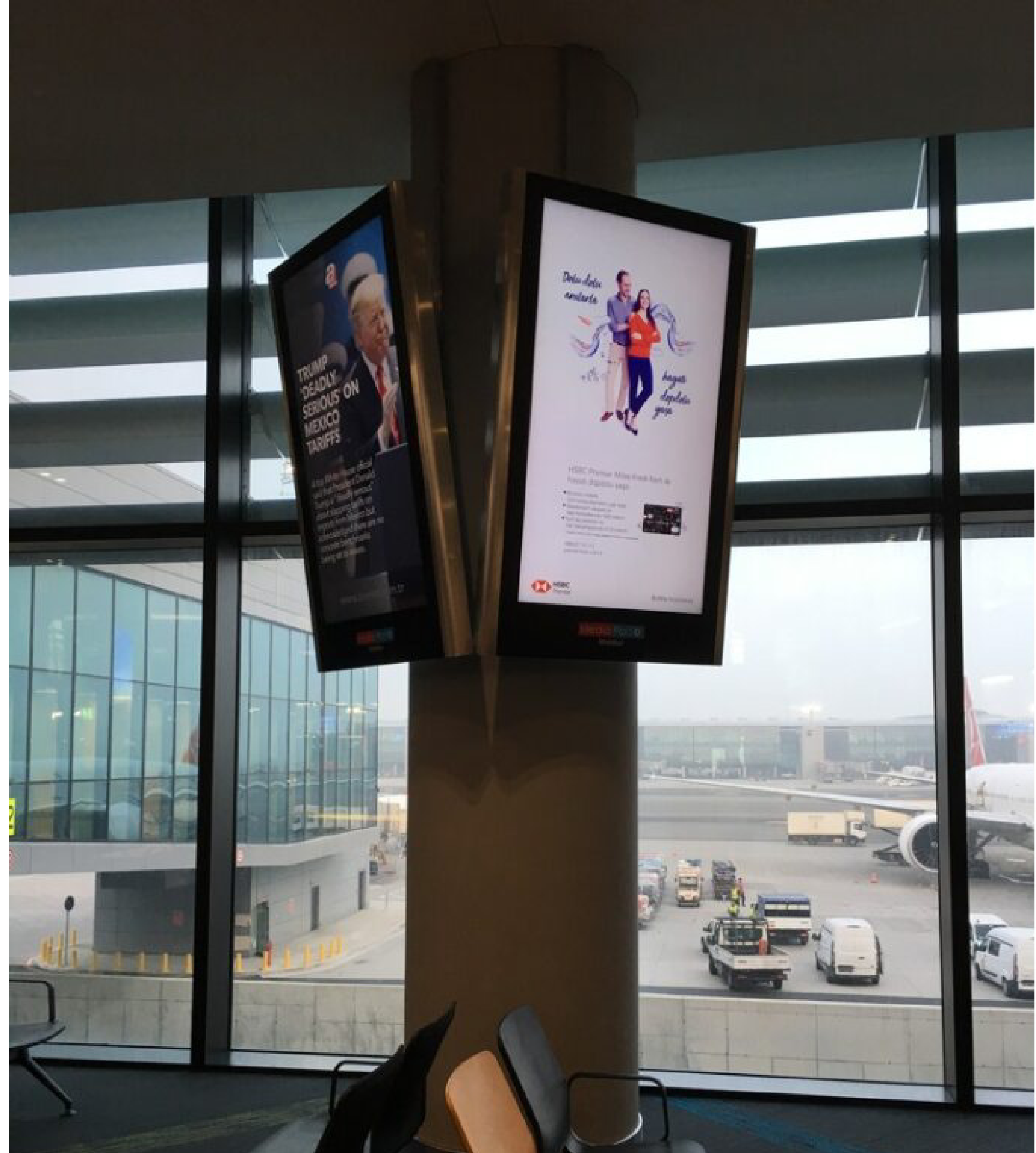
Stereo Audio Output provides quality transmission of audio content.

⑥ Serial Port:

1 x RS232 serial port allows serial communication with other devices.

⑦ USB:

Two-channel USB ports provide additional flexibility for connection with external devices.



⑧ Keyboard/Mouse:

The ability to connect an **external keyboard/mouse** allows you to use the monitor more interactively.

⑨ Wireless LAN:

802.11 b/g (Optional) is an optional feature for wireless network connection.

⑩ Network:

2 x Ethernet Gigabit provides support for high-speed networking.

⑪ PSU:

220 AC Industrial Type is a power supply solution that complies with industrial standards.

⑫ Protection Class:

IP54 protection class protects against dust and water.

⑬ Housing:

Vibration and impact-resistant **Special Slim Industrial Metal Case** offers a durable structure.

⑭ Operating Temperature:

0-60°C ensures reliable operation over a wide temperature range.



Mechanical Properties:

Office Type:

- 1 Body:**

The impact-resistant **Stainless Metal Housing** combines durability and elegance in office environments.
- 2 Frame:**

Frameless Glass: Corporate Color and Logo offers a stylish and corporate design.
- 3 LCD Protection Glass:**

4mm. Extra Clear Tempered, making the screen more durable and delivering stunning images.
- 4 Mounting Type:**

Suitable for walls, ceilings, or built-in mounting, it provides flexible placement options in the office.
- 5 Cooling:**

Silent Fan (Ball Bearing) provides a comfortable working environment with a quiet and effective cooling system.
- 6 Protection with Sensitive Filter:**

The sensitive filter system protects against dust and moisture and supports keeping the interior clean and healthy.



Industrial Type

- 1 Body:**

The impact-resistant **Stainless Metal Housing** provides a durable and long-lasting construction.
- 2 Frame:**

Decorative Aluminum (Natural or Electrostatic Powder Coating) offers an aesthetic appearance.
- 3 LCD Protection Glass:**

3mm. Anti-Glare Shatterproof protects the screen from scratches and breakage.
- 4 Mounting Type:**

It is flexible, has different mounting options, and is **suitable for walls, ceilings, or built-in mounting.**
- 5 Temperature Control:**

Electronic internal temperature control ensures that the device operates at optimum temperature.
- 6 Cooling:**

A **Silent Fan (Ball Bearing)** provides reliable performance with a quiet and effective cooling system.
- 7 Protection with Precision Filter:**

A precision filter system for protection against dust and moisture keeps the interior clean and safe.



SOC - The Integrated Structure with Player PC



Small Footprint:

The Player PC's compact design, thanks to its System-On-Chip (SOC) integrated structure, enables optimal use in limited spaces.



Ease of Cabling:

The integrated structure reduces complex cable layouts and provides a more organized appearance during installation.



Ease of Installation:

The integrated structure simplifies installation, allowing quick and hassle-free installation of the device.



Ease of Maintenance:

Thanks to its low number of parts and integrated structure, maintenance operations are faster and easier.





Energy Efficiency:

It offers an environmentally friendly solution with low energy consumption, reducing energy costs in long-term use.



Advantages of Integration:

PC and player functions are combined, reducing system complexity and providing an integrated solution.



Performance and Reliability:

The integrated structure provides high performance and reliability by combining player and PC functions in a single system.



Ease of Remote Management:

Integrated structure for centralized management and control facilitates remote management and optimizes maintenance processes.



Electrical Specifications:

① Input Voltage:

An industrial-grade power supply with 220VAC input ensures power uptake is by industrial standards.

② Low Power Consumption:

Low power consumption with an energy-efficient design minimizes electricity costs and provides an environmentally friendly solution.

③ Not Affected by Electrical Fluctuations:

It is not affected by electrical fluctuations, noise and interference and provides stable power.

④ Short Circuit Protection:

The device is safely protected against sudden electrical disruptions thanks to short circuit protection.

⑤ Operating Temperature Range:

24/7 0-60°C operating temperature range delivers reliable performance over a wide range.

⑥ Durability and Reliability:

The industrial-grade power supply is designed with durable materials and reliable circuitry to ensure a long life.



Dedicated Control and Command

① Smart Control Card:

- ✓ The device is equipped with a **Smart Control Card**. This allows the device to turn on the display after a certain period after the device is energized. This feature saves energy and prevents the display from staying on continuously in unwanted situations.

② Delayed Start:

- ✓ Starting the display with a delay of a certain amount after the power is applied ensures a healthier and more controllable hardware operation.

③ Protection Against Uncontrolled Shutdowns:

- ✓ The absence of an external off-and-on switch protects against uncontrolled and unwanted shutdowns, contributing to the safe and planned use of the device.

④ Remote Adjustment Possibility:

- ✓ The ability to adjust all settings remotely offers flexibility and convenience to the user. Thanks to remote control, various device features can be managed remotely.

⑤ Hidden Control Buttons and IR Eye:

- ✓ **Hidden control buttons and IR eye** prevent unauthorized persons and personnel from changing the device's settings. These security features ensure that the device is protected against unwanted interference.

Monitor Communication Port and Security Features

① Monitor Communication Port:

- ✓ The device has a Monitor Communication (MC) Port, which allows you to remotely turn the screen on and off and adjust the light and sound settings.

② Remote Control and Monitoring:

- ✓ The MC Port allows remote control of various parameters of the LCD display and remote monitoring of the display status, facilitating remote management and monitoring processes.

③ Fault Detection and Notification:

- ✓ In case of any malfunction related to the display, this information can be retrieved via the MC Port. This way, faults can be detected quickly, and necessary measures can be taken.

④ Secure Connection and Encryption:

- ✓ The PC and Monitor are paired and encrypted via the MC Port. This prevents the physical connection of other image sources. It provides security by preventing uncontrolled and unwanted broadcasting.

⑤ Detailed Information and Reliable Feedback:

- ✓ Even if the PC is online, the MC Port provides detailed information about the display's status and possible malfunctions. This allows the right business decisions to be made with accurate and reliable information.

Security and Troubleshooting Features

① Preventing Error Windows and System Power On/Off Screens:

- ✓ In case of a problem with the Player PC, the LCD Displays will not display error windows and system boot/shutdown screens. This provides a more organized experience for the user.

② Fixed Image with Internal Memory:

- ✓ Internal memory displays a predetermined fixed image on the LCD Display. This feature ensures that the device displays a professional appearance in case of any problems.

③ Prevention of Stray Images:

- ✓ There is a system that prevents stray images from remaining on the LCD screen in case of problems. This prevents situations that negatively affect the user experience.

④ Secure Pairing with Serial Port:

- ✓ The serial port provides a secure mapping between the LCD Display and the Player PC. This prevents unauthorized computer and source connections and prevents pirated broadcasting.

**ARTECH PROFESSIONAL DIGITAL SIGNAGE DISPLAYS
AND
CONSUMER CLASS DISPLAYS COMPARISON**

FEATURES	ARTECH PROFESSIONAL DISPLAYS	CONSUMER CLASS DISPLAYS
▶ Remote Access and Problem Intervention	Yes	None
▶ Anti Reflective Protective Glass	4mm. Thick, Anti Reflective	None
▶ Operating Temperature Range	0-60 C°	Usually a narrower temperature range
▶ Resistance to Environmental Impacts	Unaffected by moisture, humidity, dust and electrical noise	Usually have more sensitive environmental conditions
▶ Sun-Light Readable LCD	Visible in daylight	Standart LCD ekranlar, güneş ışığında görülebilirlik sorunu
▶ Ability to Display Static LOGO in Its Own Memory	Yes	None
▶ Remote Setting and Control (RS232)	Yes	Often limited
▶ Player and Screen Mapping Security (PAIRING Function)	Yes	None
▶ Back Light Duration	50.000 Hours	Generally shorter lasting
▶ Preventing Pixel Permanent Traces	Yes	None
▶ Impact and Hard Condition Resistant Metal Case	Fully Industrial	Generally lighter and flimsier materials
▶ Colour and Logo Customization	Customisable in accordance with corporate identity	Limited customisation options
▶ Local Adjustment Facilities	Hidden keypad and IR remote control compartment	Usually more limited and simple setting options
▶ Connection Slot Providing Integrated Structure	Yes	Generally more limited connectivity options
▶ Parts Availability and Compatibility for Many Years	Yes	Usually more limited
▶ Project Team Experience	Çizgi Teknoloji project team has many years of experience	Limited projects or inexperienced team
▶ Technical Support Advantages	Fast technical support with the advantages of being a domestic manufacturer	Generally more limited technical support



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