IT'S HERE!

46" Sunlight-Readable Outdoor LCD Displays

CyRAQ® 1046se

It's the Outdoor Signage Solution You've Been Waiting For!

High-Definition Outdoor Display

Outstanding Image Quality

The new CyRAQ 46 inch display achieves extremely clear, sharp, high contrast sunlight readable images at full High Definition 1080p resolution even when viewed in direct sunlight. CyberResearch's unique *AR-Bonding*™ display enhancement technology reduces excessive light reflections and provides sunlight readability equal to or better than a conventional air-gap display with a 1500 to 2000nit backlight. In addition, *AR-Bonding* passive display enhancement reduces power consumption by 30 to 40%.

Solar Radiation Protection

A rule of thumb for an LCD display in direct sunlight is that approximately 1/3 of the total heat load on the display is generated by the backlight and 2/3 by solar radiation. When electric power to the cooling system is turned off for any reason, up to 2/3 of the heat load still remains. Excess heat over a prolonged period of time without effective thermal management can severely reduce LCD life expectancy.

Thermal Management System

CyRAQ's advanced thermal management system protects the LCD from hot, cold and wet environments, while limiting excess heating due to solar radiation.

Open System

CyRAQ 1000 digital displays work under any standard Windows® or Mac® operating system. They accept HDMI, DVI, and other popular inputs and are compatible with software from hundreds of different software suppliers. Visit cyraq.com for details.

Mastering the Physics of Light

You'll Know It When You See It

The difference is crystal clear, even in direct sunlight. CyberResearch has mastered the physics of light by commercializing multiple display enhancement technologies originally developed for avionics and the military to provide a revolutionary new family of cost-effective sunlight-readable displays suitable for use outdoors in digital signage applications.

Without
AR-Bonding™

With
AR-Bonding™

Excessive light reflections reduce contrast and make a standard LCD flat-panel display appear washed-out and difficult to read. CyberResearch's proprietary *AR-Bonding*™ anti-reflection display enhancement technology virtually eliminates light reflections found in outdoor installations and other locations where high ambient light levels can be a problem. *AR-Bonding* also provides extra mechanical support to the LCD and completely prevents air-gap glass fogging due to condensation in cold and wet outdoor environments.

Vandal Resistant Construction

The rugged all-weather corrosion resistant 304 SS stainless steel external enclosure with tamper resistant hardware provides outstanding protection.

Single or Multiple LCDs

Single or multiple LCDs can be installed on a pedestal, wall, or custom mounting stand in landscape or portrait orientation. Multiple displays can be combined to present a common image in video-wall applications.

It's Here Now!

CyberResearch can custom tailor a unique CyRAQ display solution on a quick turn-around basis to meet your specific application requirements. Give us a call.

CyRAQ 1046
46" Outdoor Pylon-Mounted Portrait Display
Landscape Orientation Optional

Our Full Line of 46" Outdoor Digital Displays

46"

46"

Pylon, Wall, Ceiling
Or Custom Mounting
Hardware Available

Choice of Portrait
Or Landscape

New Media Break-Thru

The CʏRAQ 1000 has the potential to revolutionize outdoor advertising. CʏRAQ sunlight-readable interactive digital displays can provide on-demand access to content anytime, anywhere, via any digital device. Now for the first time it is possible to economically provide clear, sharp, full 1080p high-definition, full-motion content in close quarters in direct sunlight. Send your relevant and focused messages to locations where people shop, wait, work, commute and gather. These highly focused person-to-person communications can be delivered in the context of the location, time and audience to achieve measurable business results with a high ROI for the display owner.

Animate your sign with compelling content using color, motion, transitions and product rotation. Personalize your communications on a one-to-one basis. By enhancing the shopping experience, CyberResearch's intelligent new media solutions can build brand loyalty and repeat business.

46" Sunlight-Readable Outdoor Display

Part Number	CʏRAQ 1046SE
Screen Size	46" Diagonal
Screen Image	Full High-Definition 1080p, 1920 x 1080 @ 16M colors
Input Options	HDMI, DVI, VGA, Component, Composite, S-Video Projected capacitive touchscreen optional
Brightness	Readable in Direct Sunlight.
	CyberResearch's *AR-Bonding*™ technology provides sunlight readability equal to or better than a conventional air-gap display with a 1500 to 2000 nit backlight.
Contrast	3000:1
Screen Protection	Vandal-resistant laminated glass with anti-reflective coating.
Viewing Angle	178° (horizontal and vertical)
External Enclosure	Corrosion-resistant 304 stainless steel.
Internal LCD Module	Powder coated aluminum. NEMA 4 suitable for washdown.
Operating Temp	-32 to 122°F (0 to -50°C) Heater available for operation to -40°F (-40°C)
Mounting	Pylon, wall or custom. Landscape or portrait orientation.
Power Supply	90~264 Vac, 50/60Hz
Power Consumption	235–360W (typical), <40W in standby mode. Thermal Mgmt. System 120W. (Extended temperature range option 240W.)
Green Design	*AR-Bonding* cuts power consumption by 30 to 40%.
Dimensions/Weight	25.5"W x 48"H x 10"D (648 x 1219 x 254mm). 180lbs. (114kg), not including optional pylon mounting stand.

CyberResearch® Display Technology

The CʏRAQ 1000 Series was developed as a byproduct of CyberResearch's 25+ years of experience building rugged industrial computers and display systems. To date, CyberResearch has supplied over 10,000 displays for use in severe industrial environments including manufacturing, NASA, R&D labs, marine, process control, off-shore drilling rigs and nuclear power plants. CyberResearch products are used by most Fortune 500 companies as well as universities, government and military worldwide.

Outdoor Digital Signage Benefits

Now you can take advantage of the benefits of digital signage in outdoor settings winter, spring, summer and fall. Digital displays draw roughly 10 times the attention of static signs. So utilize the impact of motion and sound to make your messages come alive!

- ☀ Deliver targeted promotions at the right time and place
- ☀ Update your message instantly; no need to wait for a printer
- ☀ Personalize your communications on a one-to-one basis
- ☀ Communicate critical information in severe environments
- ☀ Build your brand and generate more repeat business
- ☀ Engage your customers and reduce perceived wait times
- ☀ Provide compelling content to enhance the customer experience
- ☀ Use day-parting to schedule special offers based on time of day
- ☀ Promote a wide variety of overstocked and high-margin products
- ☀ Create new revenue stream by accepting ads from your suppliers

Contact CyberResearch For Digital Signage Integration Assistance

800.341.2525 ☀ CYRAQ.COM

CyberResearch®

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A Greener Signage Solution™