Absenicon X Series

The Future Meets Excellence

Redefine Display Standards

Large Format

108" **136**" **163**" sizes

Immersive view

Improved Clarity

Micro LED technology

Redefine image quality

Easy-to-use

Intelligent functions and systems

Easy to install and maintenance

Comfortable

Stay cool, enjoy more

Softer and uniform light

Rediscover the World Through *Absenicon* X

Born for revolutionary visual experience, features the Micro LED technology, Absenicon X series is an innovative all-in-one direct view LED screen
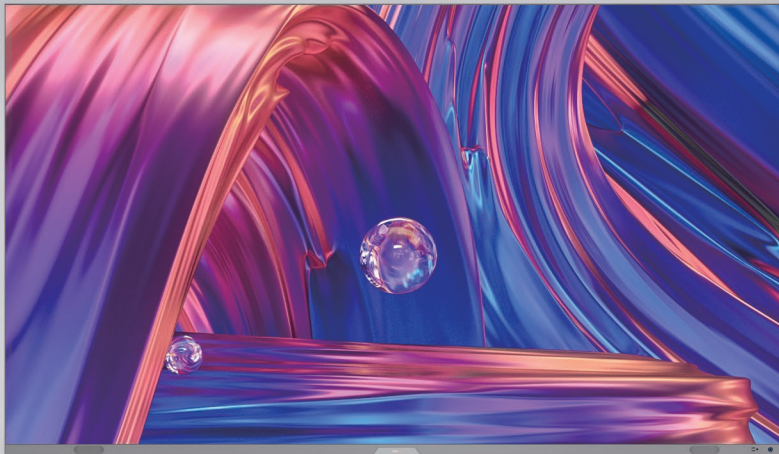
108"/136"/163"
big screen sizes

600nits
clear imagery under sunlight

160°
ultra-wide viewing angle

Micro LED Technology
approved next-generation technology

Unrivaled Visual Experience

Integrating multiple Absen image optimization technologies, the Absenicon X Series enhances the clarity and visibility to bring out natural details and vivid colors for realistic and incredible images
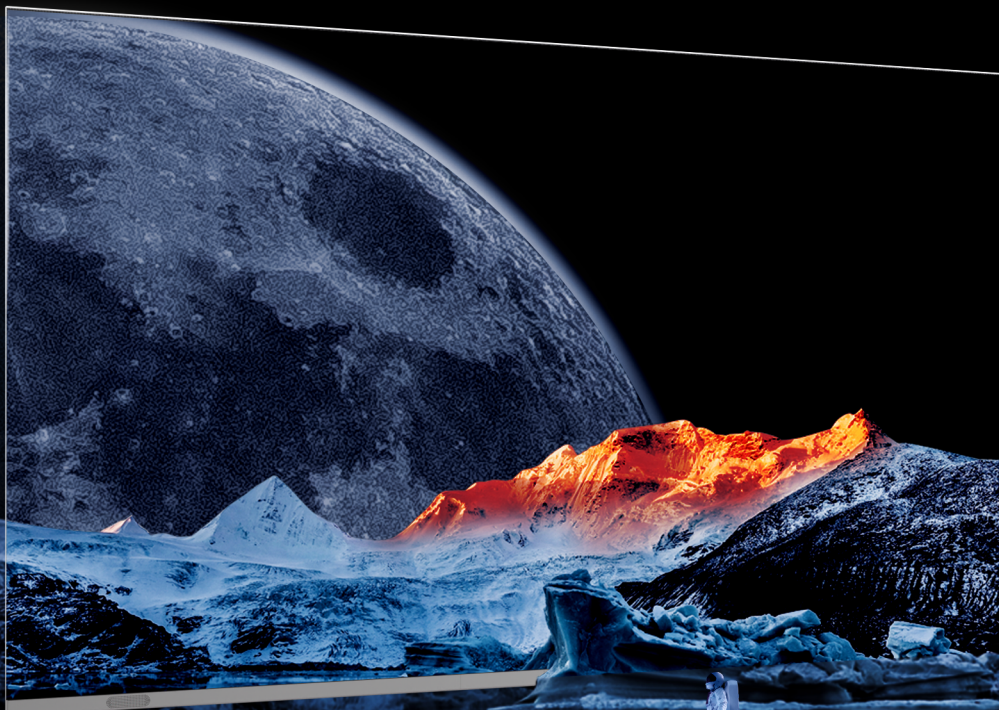
Full-screen calibration
perfect image consistency

90% BT2020
cinematic color gamut

ΔE≤0.9
color precision

15000:1
high contrast ratio

The Purest Deep Black

The surface is covered with a black coating of polymer material, which brings amazing black consistency, bringing a deep and pure black, which improves the visual performance to an unprecedented level

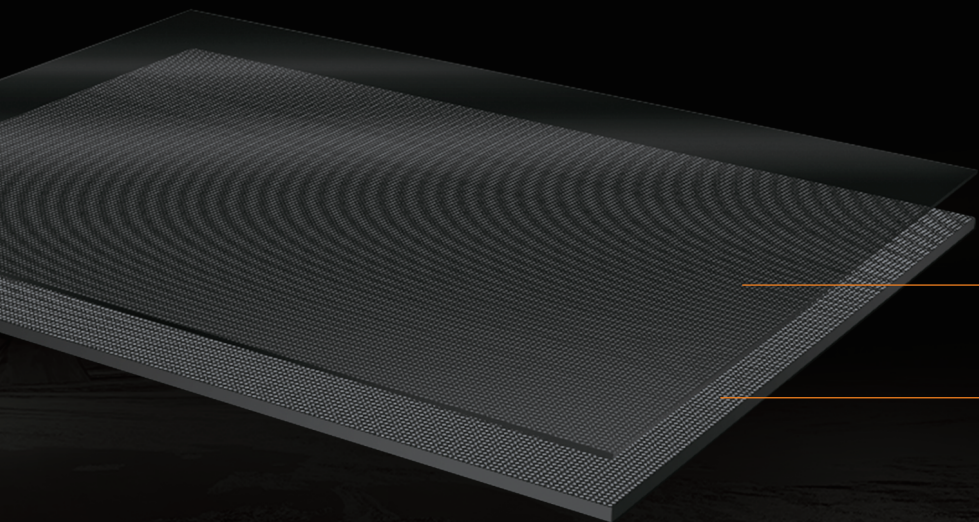intense black immersion

high flatness

exceptional black consistency

no glare and reflection

Avoid reflection and modularization

Black coating technology

Micro LED technology

Creating a Comfortable Experience

Eye-caring

The non-glare surface light source brings softer and uniform light, relieving the eye fatigue experience when watching the screen for a long time

Stay cool, enjoy more

Thanks to the Micro LED technology and Absen's HBB common cathode technology, the screen can always stay cool, diving into the fantastic visual world without breaking a sweat


Mute operation

Operating noise is reduced to 25dB to ensure a comfortable experience

All-in-one Design with Delicate Details

The Absenicon X Series comes as a complete kit ready to install, including controller, audio, PSU and all necessary display elements needed for the installation. There's no need for complex wiring and debugging, it's easy to install and use. The design of lift type control box satisfies the 97% above high screen ratio and the convenience of installation and maintenance
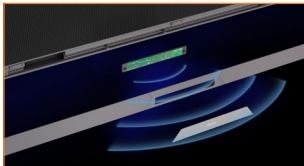
Signal antenna preposition
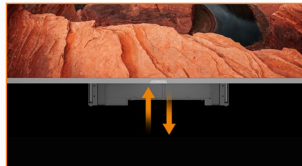
Lift type control box
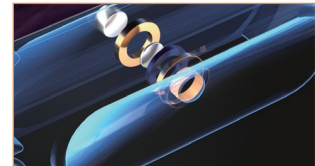
2*15w Built-in Speakers

Step Into the Future Where Accuracy Meets Interactivity

Equipped with a high-precision infrared touch system, the Absenicon X Series revolutionizes interactivity and elevating user engagement. With 1mm touch accuracy and support for 10-point multi-touch and smart gestures, it delivers seamless and intuitive interactions

±1mm
Touch accuracy

10point
Multi-touch

Smart gestures

Scan to share

Single touch

Two point scaling

Multipoint movement

Hand erase

Set background

Select handwriting color and thickness

Remote Control for Easy Operation

Remote control for on/off switches, brightness adjustment, content switching, settings, etc.
An infrared & Bluetooth remote control that covers a transmission distance of 10m

Compatible with AV Control Systems

Ethernet control protocols are provided for control systems such as Crestron and Extron making for easy integration which saves the system integrator both time and money with onsite programming.

Intelligent Wireless Screen-mirroring

Wireless screen mirroring from phones, computers and other devices
Cast up to four images from participants' devices for team review and collaboration.

Intelligent System with Upgraded Performance

The Absenicon X Series comes with a standard Android 11.0 operating system. A Windows operating system is available through an additional OPS computer. An Ultra-large memory and a powerful 4-core processor are included for a smooth and fast performance for wireless screen mirroring from phones, computers, and other devices

Android 11.0   Windows 10(optional)   Dual-band WiFi

Remote Video Conferencing

Compatible with popular video conferencing apps, experience smooth and efficient video conferencing

Durability in Demanding Spaces

The panel-type encapsulation technology effectively protects the display from external impact. The ultra-long service life of 100,000 hours providing a lower cost of ownership and reduced carbon foot print.

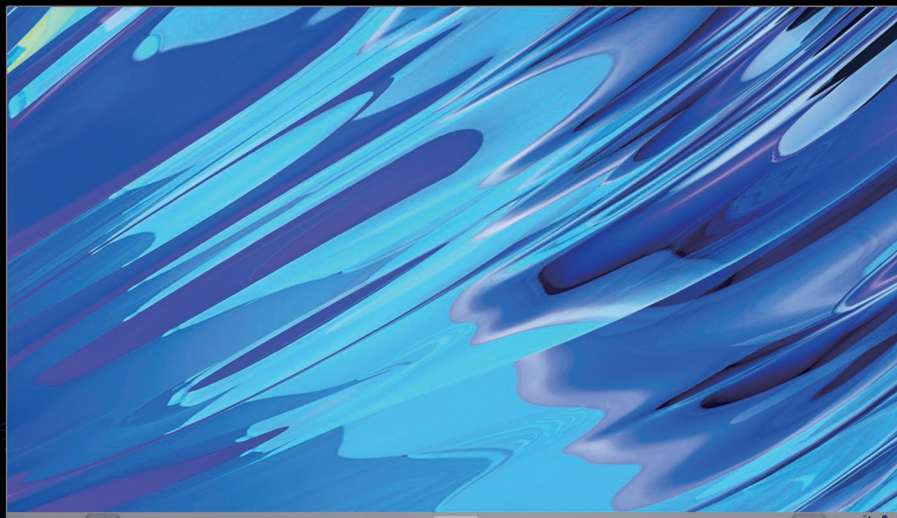Anti-touch marks   Water-resistant   Dust-resistant   Anti-collision   Anti-blue light   Anti-static   Anti-oxidation

Delicate Design, Less Consumption

40% energy saving is achieved by a combination of technological innovations,
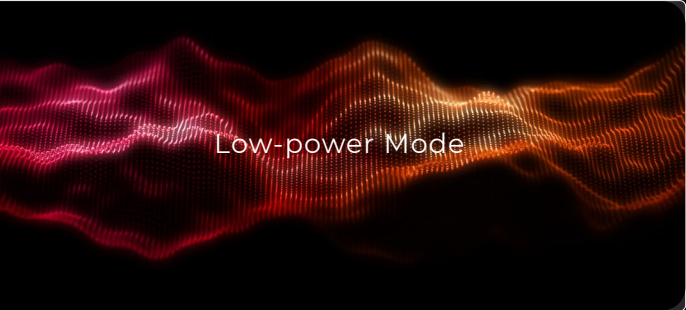and adopted recyclable carton packaging design, practicing the "Absen Green" concept

Dynamic Energy Management
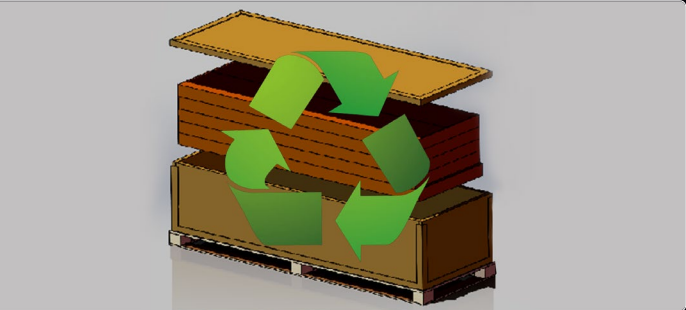
dynamically adjust the output current

20%

60%

80%

Black Screen Technology
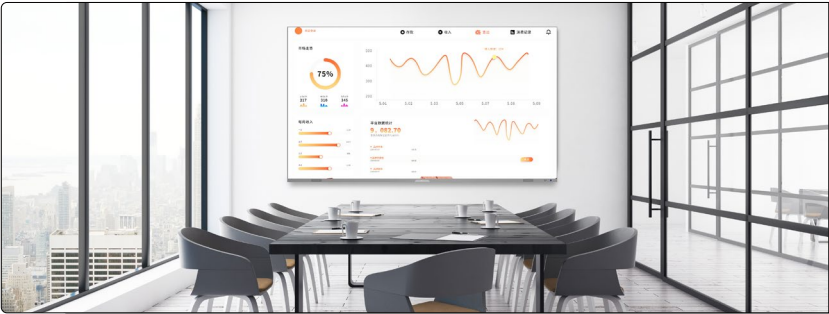
Low-power mode saving ≥80%

Low-power Mode

Eco-friendly Packaging

recyclable carton design

Modular Design, Flexible Installation

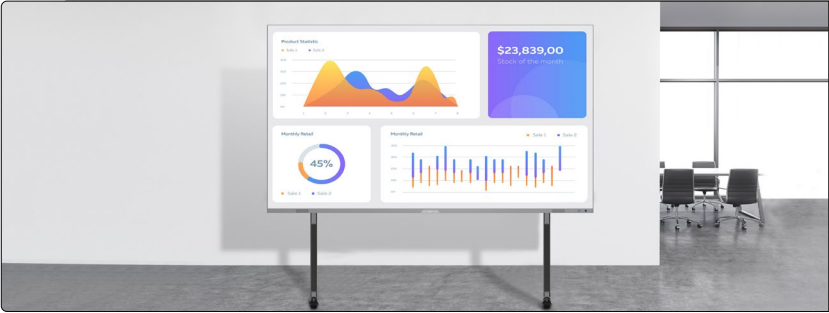The modular design enables it to be easily transported to offices and in elevators. The Absenicon X Series can be mounted on a wall or on a mobile stand, or on the innovative electric lifting bracket for height adjustment. The endless installation possibilities fit your needs in any environment
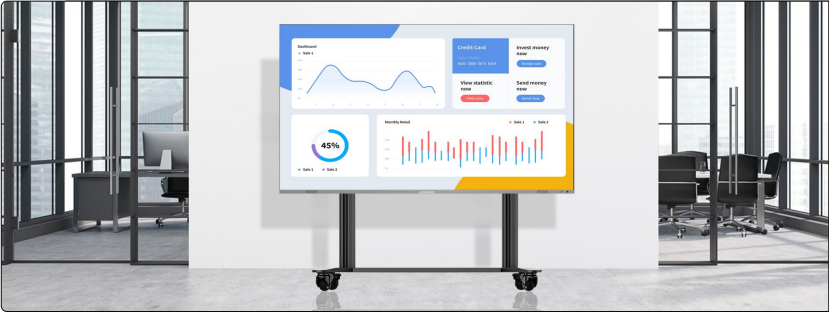
① Wall mounting

② Mobile Stands*

③ Electric lifting bracket

*X163 does not support mobile stands installation

Easy to Clean & Maintain

The screen allows repair in modules without the need to reserve extra space. The protection level of the front panel reaches IPX4. A wet towel can be used for usual cleaning, making screen maintenance easier and cheaper.

All in One, One For All

Meeting Rooms & Boardrooms

Lecture Theaters

Auditorium

Lobbies

Clubs/Pubs

Exhibitions

Professional service, best experience

Absen has established a worldwide network, enabling the delivery of timely and expert local services.

Absen Service Ability

Comprehensive Support

Experience a 2-year warranty, an optional extended 1 - 3-year warranty, lifetime maintenance, and access to 10+ professional service solutions designed to help you solve any challenges.

Global Coverage

Benefit from a network of 500+ Absen Certified Partners and 3,000+ Engineers, with a global reach covering most markets. Our service network is continuously expanding.

Multiple Service Channels

Providing service via multiple channels such as Hot line, WeChat, WhatsApp, E-mail and official website to quickly take care of service requirements

24 / 7 Response

We are available 24/7/365 with a quick response time in as little as 10 seconds.

One-stop Service

Experience exclusive and expert support throughout the entire sales process, from pre-sales to post-sales.

Absen Service Philosophy

Initiative

Proactive care and return visits,
regular touring inspection services for customers

Efficiency

All service channels respond within 10 seconds,
intelligently match the best local service resources,
and enjoy a fast service experience

Standardization

Comprehensive service engineer training system,
ACE professional training and certification,
ACP professional certification; establishing customer's
product files and record the entire service process

Thoughtfulness

Extended warranty for peace of mind and
uncompromising quality assurance

Service Channels

Hot line: +86 400-700-3278
WeChat: 13923413428
WhatsApp: 008613923413428
E-mail: service@absen.com
Official website: www.absen.com

Service Time(GMT+8)

7X24 hours online service

	Model	X108	X136	X163
DISPLAY SPECIFICATIONS	LED Type	Micro LED	Micro LED	Micro LED
	Diagonal Size (inches)	108"	136"	163"
	Screen Dimensions (W x H)(mm)	2400*1350	3000*1687.5	3600*2025
	Screen Dimensions Including Bezel (W x H xD)(mm)	2410×1395×39.3(Non-Touch) 2442×1426×39.3(Touch version)	3010×1732.5×39.3(Non-Touch) 3042×1764×39.3(Touch version)	3610×2070×39.3(Non-Touch) 3642×2101×39.3(Touch version)
	Pixel Pitch(mm)	1.25	1.56	1.87
	Screen Resolution (dots)	1920*1080	1920*1080	1920*1080
	Built-in Speakers	2x15W	2x15W	2x15W
	Brightness (nit)	600	600	600
	Contrast Ratio	15000:1	15000:1	15000:1
	Processing Depth (bit)	14	13	13
	Refresh Rate (Hz)	3840	3840	3840
	Viewing Angle (Horizontal/Vertical) (°)	160/160	160/160	160/160
TOUCH OPTION	Minimum Identifier (mm)	6	6	6
	Touch Accuracy (mm)	±1	±1	±1
	Touch Points	10	10	10
	Response Speed (ms)	9	11	13
ELECTRICAL SPECIFICATIONS	AC Power Supply (V)	AC 100-240V	AC 100-240V	AC 100-240V
	Avg./Max. Power Consumption (W)	376/1128	543/1628	671/2005
SYSTEM SPECIFICATIONS	Android System	Android 11.0		
	Processor Core	Main frequency 1.8G 64-bit quad-core processor, Mail G52 GPU		
	System Memory	DDR4-4GB		
	Storage	32GB eMMC5.1		
	Control Interface	RJ45*1，RS232		
	Input/output Interface	HDMI1.3 IN*1, HDMI1.3 OUT*1, USB2.0*4, Audio OUT*1, SPDIF OUT*1		
	Windows System	Optional		
APPLICATION SPECIFICATIONS	Operating Temperature(°C)	-10°C~40°C		
	Operating Humidity(RH)	10~80%RH		
	IP Rating(Front/Rear)	IP40/IP21		
	Service Access	Front		
	Certification	FCC, ETL, CE		

★ Shenzhen Absen Optoelectronic Co., Ltd. reserves the right to modify product design, specifications, and parameters without further notice.
Photos are used for illustration purpose only as products may differ from these photos. All rights reserved by Shenzhen Absen Optoelectronic Co., Ltd.

Absen Optoelectronic Co.,Ltd
18-20F Building 3A, Cloud Park, Bantian,
Longgang District Shenzhen, 518129, P.R.China
T: +86-755-89747399   E: absen@absen.com
F: +86-755-89747599   W: www.absen.com

Absen Inc.
7120 Lake Ellenor Drive, Orlando,
Florida 32809, USA
T: +1-407-203-8870 E: info@usabsen.com
F: +1-407-203-8873 W: www.usabsen.com

Absen GmbH
Hessenring 4c, 64546 Moerfelden-Walldorf (Frankfurt am Main),
Germany
T: +49 (0) 6105 718941-0   E: europe@absen.com
F: +49 (0) 6105 718941-29 W: www.absen-europe.com