digiTHIN IO

digiLED
THE LED SCREEN EXPERTS

digiTHIN IO

Indoor and Outdoor Versions

digiTHIN IO comes in an indoor version and an outdoor, fully weatherproofed version, in pixel pitches 1.2mm, 1.5mm, 1.9mm and 2.6mm.

Micro X MIP Technology

Super efficient and energy saving courtesy of Micro X MIP Technology giving super high contrast, high brightness LEDs with a long lifetime and total weatherproofing for outdoor use.

X-GOB for Super Exterior Protection

The X-GOB coating of the LED PCB gives digiTHIN IO superb environmental protection, coupled with the shockproof, robust design of the chassis and internal components. A high level of anti-UV and anti-static protection is built in.

Curvable and Corner Solutions

Specially adapted coupling and joining options allows digiTHIN IO to curve up to 158cm radius in both convex and concave situations. If your demand is for virtually seamless corner faces, digiTHIN IO can accomodate that too. You could also construct a cube for that special wow factor.

Floor Solution

digiTHIN IO also has the ability to be used as an LED floor solution with its robust design, adjustable feet and X-GOB coating you can create a totally immersive experience and its especially suited to the VR and film industry.
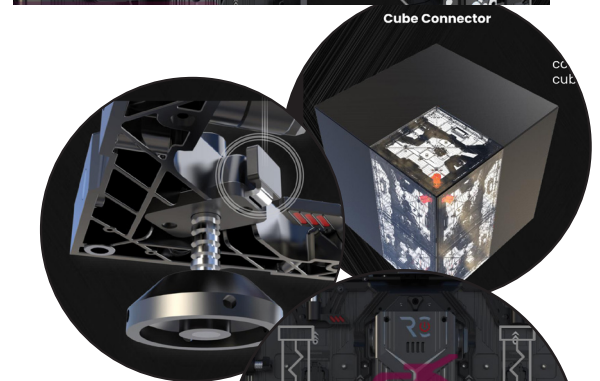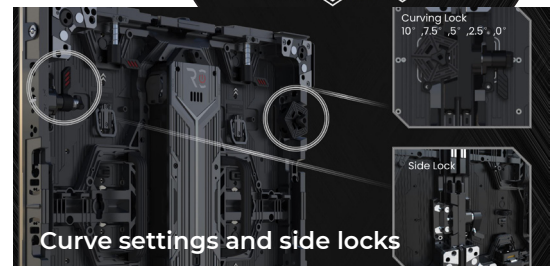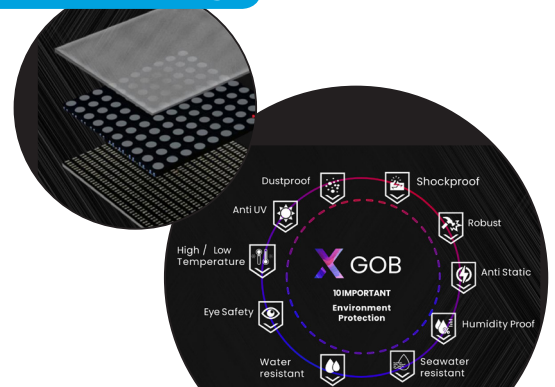
In-Built Fire Extinguisher

digiTHIN IO has an FCP 1.4 fire circuit protection system built into the rear mounted PDP unit reducing the risk of fire.. An automatic mini fire extinguisher is also built in which swiftly detects any fire and extinguishes it immediately.

Optional POS Front Tray/Shelf

For POS and retail applications digiTHIN IO has the option of fixing POS trays infront of the screen via brackets mounted on the sides of the LED chassis.

Secure Locking System

The LED tiles making up the screen surface are magnetically attached to the chassis. A locking mechanism (S-lock connection) prevents anyone from removing the LED tiles, ensuring your screen is safe at all times.

Curve settings and side locks

Cube Connector

S-Lock connection

S-lock

magnet

sucker

magnet

Magnet + Sucker
=Maintenance tool

digiTHIN IO

Top Lock
Side Lock
Connector Attach
Module Back Lock
Defect Status
Module Handle
Defect Status

Brainbox Lock
IP55 – IP65 Breathing
Curving Lock
Handle
Stacking Lock
Cable Attach
Test Button
Defect Status

90° connection
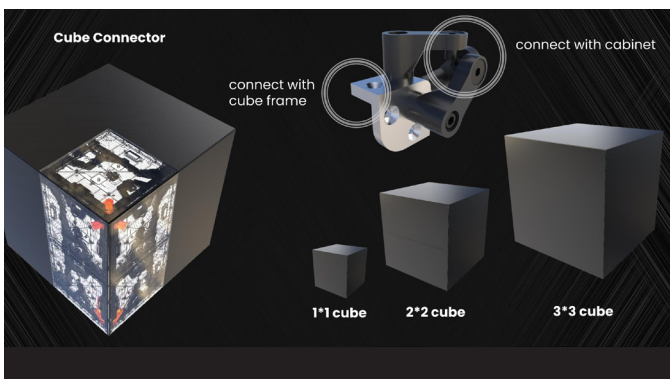## Make your corner & cube
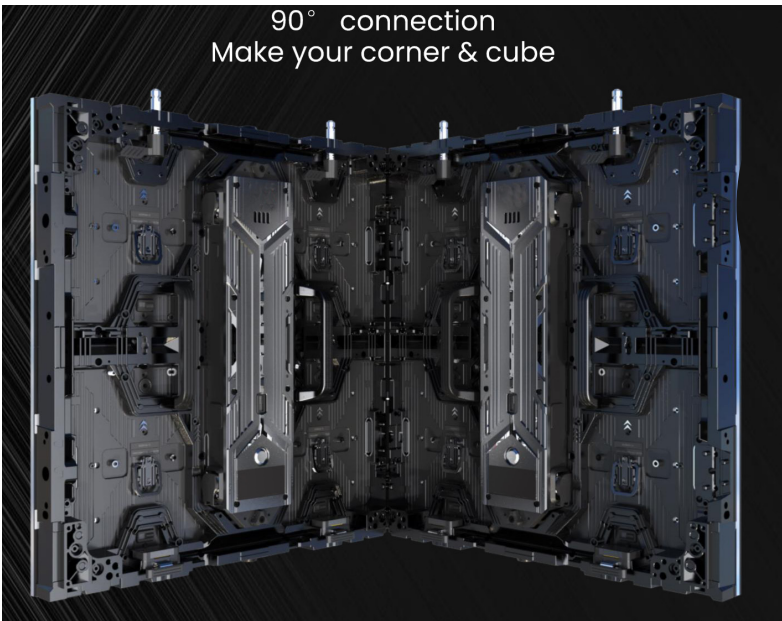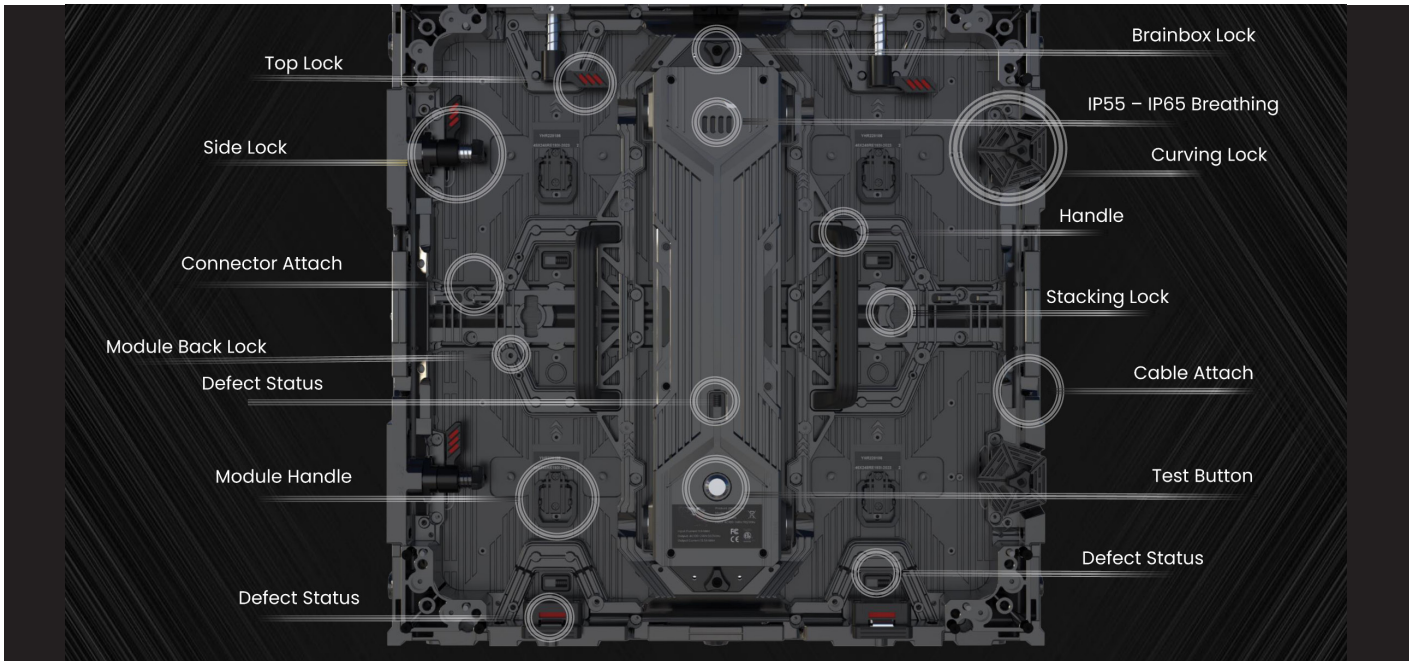
A 90degree mitred corner will require cutting a 45degree mitre angle on each adjacent LED chassis as shown on the left.

Cube Connector

connect with cube frame

connect with cabinet

1*1 cube   2*2 cube   3*3 cube

Cube connection brackets

RE can be combined with display tray to give the commodity a new display form.
It can be integrated with the media broadcast, optimizing the effect of commodity display.
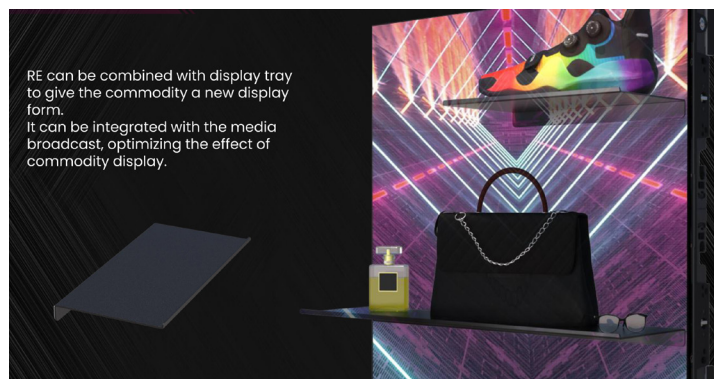
Optional enhancement POS display trays

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digiTHIN IO
500mm x 500mm LED PANEL
DIMENSION

Top view

54.75
45.25

499.9 $^{+0.05}_{-0.1}$
434

250

499.9 $^{+0.05}_{-0.1}$
434

250

Right view

Rear view

Left view

Front view

Bottom view

digiTHIN IO

APPLICATION EXAMPLES

INDOOR OUTDOOR

GLOBAL BANK

CITY INVESTMENTS

STATE UNIVERSITY

INDOOR RETAIL

INDOOR INFORMATION BOARDS

INDOOR TRANSPORT HUBS

INDOOR SPORTS STADIUMS

CITY SHOPPING MALL

CITY HALL MUSEUM

SOUTH STREET TRAIN HALL

THE CITY CONCERT HALL

CITY STADIUM

OUTDOOR SPORTS STADIUMS

digiTHIN IO

SPECIFICATIONS

INDOOR

		digiTHIN IO1250	digiTHIN IO1560	digiTHIN IO1950	digiTHIN IO2600
Physical Pixel Pitch (HxV) mm		1.25	1.563	1.953	2.604
Pixel Resolution (Width/Height)	pixels/panel	400/400	320/320	256/256	192/192
LED Panel Dimensions (not inc. bezel)	(W x H x D) mm	500 x 500 x 55mm			
Standard Panel Area	m2	0.25			
Standard Weight	kg/m2	37.2			
Minimum Curving Radius	Metres	2.5			
Corner Option	degrees	90			
Ingress Protection	(Front/Rear)	Indoor IP30/IP30			
Maintenance Access		All Front and Rear			
Standard Refresh Rate	Hz	≥3840			
Uncalibrated Brightness*	nits	≥1000			
Calibrated Brightness	nits	≥800			
Contrast Ratio		TBC			
Viewing Angles	H/V (degrees)	160/160			
Input Voltage	VAC/Hz	100~240/50-60			
Max Power Consumption**	W/sqm	500			
Typical Working Power Consumption**	W/sqm	150			
Operating Temperature (min/max)	degC	-10/+50			
Certification		CE (IEC82368-1), FCC, ETL, RoHS			

OUTDOOR

		digiTHIN IO1220o	digiTHIN IO1560o	digiTHIN IO1950o	digiTHIN IO2600o
Physical Pixel Pitch (HxV) mm		1.225	1.563	1.953	2.604
Pixel Resolution (Width/Height)	pixels/panel	408/408	320/320	256/256	192/192
LED Panel Dimensions (not inc. bezel)	(W x H x D) mm	500 x 500 x 55mm			
Standard Panel Area	m2	0.25			
Standard Weight	kg/m2	37.2			
Minimum Curving Radius	Metres	2.5			
Corner Option	degrees	90			
Ingress Protection	(Front/Rear)	Indoor IP65/IP54			
Maintenance Access		All Front and Rear			
Standard Refresh Rate	Hz	≥3840			
Uncalibrated Brightness*	nits	≥3000	≥3500	≥3500	≥3500
Calibrated Brightness	nits	≥2500	≥3000	≥3000	≥3000
Contrast Ratio		TBC			
Viewing Angles	H/V (degrees)	160/160			
Input Voltage	VAC/Hz	100~240/50-60			
Max Power Consumption**	W/sqm	600			
Typical Working Power Consumption**	W/sqm	180			
Operating Temperature (min/max)	degC	-10/+50			
Certification		CE (IEC82368-1), FCC, RoHS			

Specifications are for standard system configuration. Contact your digiLED expert for detailed specification.
*The figures shown for brightness are MCAB (maximum consolidated average brightness) measured over a 3 year period.
** The figures shown for power consumption are standard guideline figures only and based on average test laboratory conditions.
*** CE comes with IEC (EN) 62368-1
E&OE.

SUSTAINABILITY AT digiLED
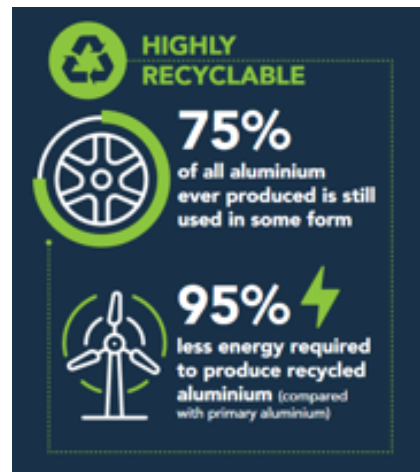
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digiLED ZEUS®

LED Screens used in commercial installations rarely operate 24/7. Venues and auditoriums don't have a permanent audience. A dirty secret of our industry is that often, when a screen is not in use, it is simply displaying a black image or video. The power is still live, using 7% to 17% of the maximum energy consumption or, looked at another way, up to 50% of the average energy usage!

Designed in the UK, digiLED's patented digiLED ZEUS® stands for "Zero Energy Use System". A screen set to black with digiLED ZEUS® will use ZERO power. More details can be found on digiLED ZEUS® in the dedicated digiLED ZEUS® brochure.

Recyclable Material

Aluminium is used extensively in digiLED's LED tiles and the frames/chassis. As one of the most widely recycled materials on earth, this gives excellent options when considering how to dispose of an end-of-life digiLED screen.

LED tiles that are constructed out of aluminum retain a high materials value at the end of their life. These are much more likely to be shredded and metal-extracted before waste processing is considered complete.

HIGHLY RECYCLABLE

75% of all aluminium ever produced is still used in some form

95% less energy required to produce recycled aluminium (compared with primary aluminium)

Copper also makes up a large percentage of the product by weight - again, easily recyclable.

RoHS standards are closely monitored during production (and other international standards appropriate to the region). An example of this is the environment, chemical and processes audit of one of our production lines by Sony before they approved the use of digiLED.

SUSTAINABILITY AT digiLED

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Direct-to-wall Mounting:

Fixing an LED screen directly to the wall, without a frame, eliminates the need for the manufacture of a metal structure, saving time, money and travel/ transport costs. No additional materials or bracketry need be used, the LED panels are mounted to an approved building material, typically plywood, MDF or plasterboard such as Gyproc Habito.

228-Step Production Plan

The digiLED 228-step Production Plan helps us manage processes so we can hit schedules and plan logistics efficiently, therefore avoiding the need to revert to air freight which uses 44 times more CO_2 than a ship. The 228-Step Production Plan also ensures that digiLED makes high quality products, meaning that it will give years of reliable, trouble-free service; the best decision for the environment is not to buy on price but to buy a product that will last for years.

Shipping

Sea freight is prioritised as the shipping method from China as it uses 44 times less CO_2 than air transport delivery.

Serviceable

digiLED always briefs clients that a well-maintained screen will have a life expectancy of 10 years plus. As a company, we stand by this by offering tech support and parts for all legacy products. Currently, the oldest clients screen supported by digiLED is 14 years old and requires windows XP to operate it - but it still operates.

THE ESSENCE OF digiLED

Our Ethos

Our goal is to do business with suppliers and customers whose company we enjoy and whose principles and values we respect.

We endeavour to be politely firm in our beliefs and steadfastly uphold our standards by doing the job correctly to produce quality products, supplied with loving care, to customers who cherish our systems and the enthusiastic, friendly expertise we strive to provide.

We love our work and are proud of our experience and our expertise. We want to do business with people who see the benefits of what we do and appreciate our input.

digiLEDers are keen to offer advice and an insight into our specialist knowledge without demanding a commercial return, if we can't convince customers of our value, we don't deserve their patronage.

Our Products

Huge, bright, vibrant, bespoke, digiLED screens are designed by seasoned LED experts, then crafted and assembled in selected, specialist factories.

Assembly, production and testing is monitored by the industry's leading QC team, using a proven 228-step manufacturing QC process paying meticulous attention to fine detail.

The resulting digiLED screens exhibit superior images, provide reliable performance and extended life. Supported locally by experienced, qualified, field and bench engineers. **digiLED quality just lasts.**

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SALES OFFICES IN MILAN, THE HAGUE, NANTES AND TOKYO

Talk to us and be social

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