Make a bigger impression with *iMural*

Bigger Impact, Greater Versatility to Boost Your Business Communications

thin profile

ZCT
ZERO
Configuration
Technology

EMC COMPLIANT   INDOOR   FIXED   RENTAL

iMural
Intelligent Large Format Display
Smart, Slim yet Simple

iMural™
Intelligent Large Format Display

ULTRASLIM & LIGHTWEIGHT
INSTALLATION-FRIENDLY

DSFG iMural™ has been engineered with latest technologies to give it a smoother, slimmer profile. Crafted in beautiful anodized aluminium, it is lightweight yet durable. Each module tile is weighs less than 1.5kg or 23 kg/sqm when formed into a display making it more portable and easier to install. Due to the fact that no supportive metal frame structure is required during assembly thus a profile depth of 35mm is achieved making **iMural**™ one of the slimmer if not the slimmest large format flat panel displays on the market today!

PLUG 'N' PLAY
MEDIA PLAYER
ZERO CONFIGURATION

Enjoy the privilege of watching or screening your own video, audio or pictures playlists anytime, anywhere with **iMural**™. Update your digital content in our powerful built-in media player via WiFi or USB drive. Easy-to-follow on-screen menu makes it absolutely simple to schedule your content and no complicated configuration is needed whatsoever!

SMART MODULE
SMOOTH OPERATION

The futuristic Smart Module ingeniously incorporated into each **DSFG iMural**™ system is its powerhouse. Engineered around a high-performance Internet Cyclone IV FGPA capable of parallel processing, and deeper integration with MCU management tools enables the display module to be self-contained in communication and management. Together they form the core of Smart Module which is capable of delivering powerful video processing platforms without the need for additional hardware. It also ensures all round operations converge, thereby ensuring seamless connections like screen monitoring operations and auto-detect work to be done continuously.

INTELLIGENT MANAGEMENT
STAY IN CONTROL

iMural™'s pre-integrated software enables you to connect to it with a PC or Android devices from a single location via RJ45, WiFi, 3G, USB and HDMI. That makes it extremely easy to identify your display and manage settings like brightness and contrast. You can also play your content directly from your device be it a laptop, tablet or smart phone. Perform centralized video control and management via internet. Your efficiency is increased because you can cast your video remotely without the need to have an on-site controlling device or PC, as well as administer and monitor your video from the comfort of your office.
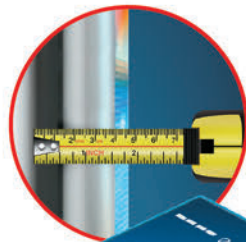
FRONT SERVICEABILITY
SNAPPY & EASY

You'll love the **iMural**™'s convenience of doing quick servicing and easy module replacements from the front simply with a handle magnet. A true advantage attributed to its patented cableless technology in connecting the modules, an exclusive technology brought to you by **DSFG**.

HI-DEFINITION*
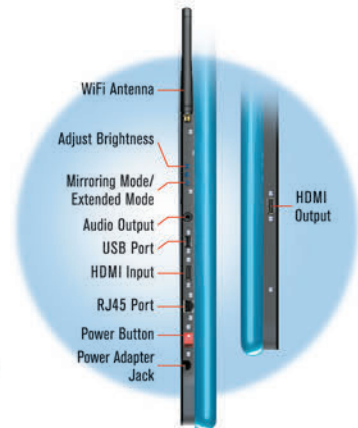**720P & 1080P**
CRISP CLEAR IMAGES

iMural™ 1.8P supports contents in HD 1280 x 720 or Full HD 1920 x 1080 resolutions with 1000 cd/m² high brightness to deliver superior pixel-by-pixel true-colour performance. At this resolution and brightness, coupled with highest quality full black LEDs, high-definition video content can be seen crystal-clear with a more realistic viewing experience even in well-lit areas.

* Applies to iMural 1.8mm pixel pitch only

iMural, large format feature-rich LED display with extreme simplicity & flexibility but nothing simple about the technologies behind it

- Ultra slim profile at 35mm
- High refresh rate (> 3600 Hertz) and maintains full 10 bit depth for 128 steps of gradation control
- No PC required, thus saves on cost, increases reliability and makes operations simpler.
- Content can be updated via network or via USB drive and the content is stored on the unit itself.
- 6GB of built-in storage supporting almost all video and image formats.

Multi-screen Mode

Different iMurals can be connected via HDMI cables or wirelessly. Stay connected via a router, with maximum link of three iMurals altogether.
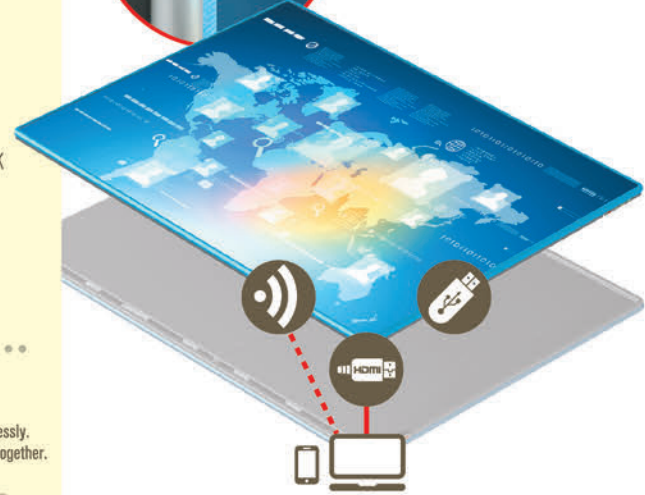
Wireless Extended Mode

Split and show the same video content on 2 or more iMurals simultaneously. Also known as cascade or split-screen mode.

Wireless Mirroring Mode

Show the contents of one iMural on the screen of another iMural simultaneously. Maximum simultaneous link of three iMurals together and stay connected via a router.

hotel & corporate lobbies
conference hall
shopping malls
airports
supermarkets
railway &
metro stations
boardrooms &
control rooms

Ultra Slim
Protrudes 40mm from the wall

WiFi Antenna
Adjust Brightness
Mirroring Mode/ Extended Mode
Audio Output
USB Port
HDMI Input
RJ45 Port
Power Button
Power Adapter Jack
HDMI Output

Function Buttons and Connectors
Simple yet powerful

Easy Content Update
Upload your digital content into our built-in media player via WiFi or USB
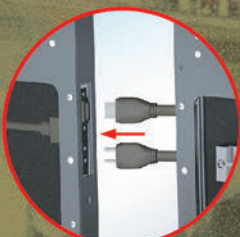
Assembly Made Easy
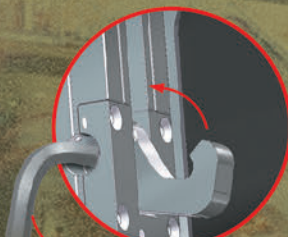Interconnected system and wall mounted bracket enable you to assemble your large format display effortlessly
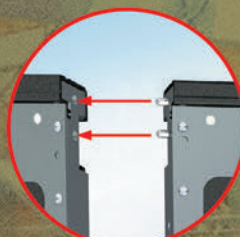
Connecting The Panel Units
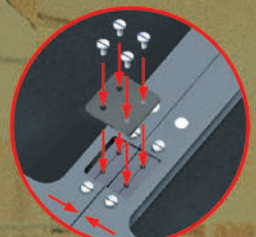Built-in power and data cables give you easy access

Hook Type Latches
Locking and unlocking by a single turn of 360° with Allen key

Locating Pins
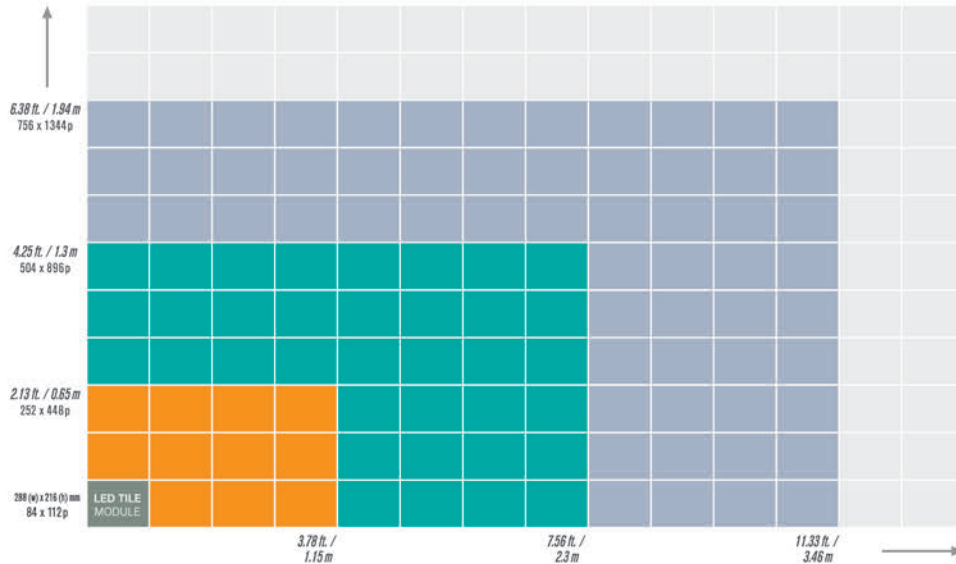Round pin serves as the primary, 2-axis locator

Connector Plate
Provides alignment and strong panel-to-panel connection

# WOW your audience with a variety of *iMural* configurations
Large format video solutions with maximum flexibility of choice for configuration

Popular 16:9 Aspect Ratio Resolutions (P2.571 mm)

6.38 ft. / 1.94 m
756 x 1344 p

4.25 ft. / 1.3 m
504 x 896 p

2.13 ft. / 0.65 m
252 x 448 p

280 (w) x 216 (h) mm
84 x 112 p — LED TILE MODULE

3.78 ft. / 1.15 m

7.56 ft. / 2.3 m

11.33 ft. / 3.46 m

| Modules Quantities (width x height)	4 x 3	8 x 6	12 x 9	——
Resolutions (horizontal x vertical)	448 x 252	896 x 504	1344 x 756	-----

Additional hardware is required for screen with resolution larger than 1920 x 1080 pixels
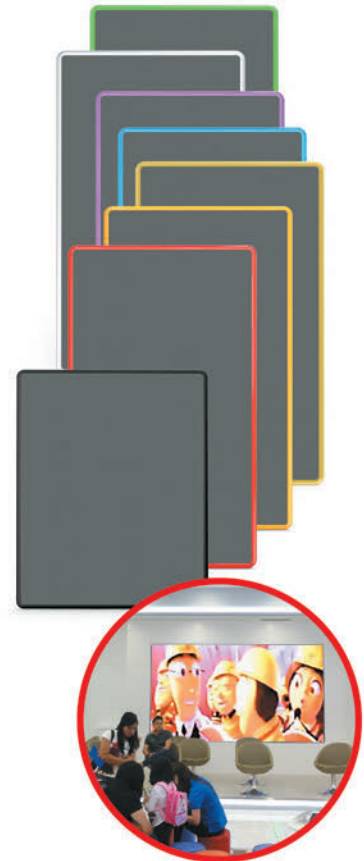
Not sure of which screen size you want? Don't worry
We can recommend a Preconfigured Size for you

1167 mm
1152 mm
1974 mm
1944 mm

PANEL UNIT A

PANEL UNIT B
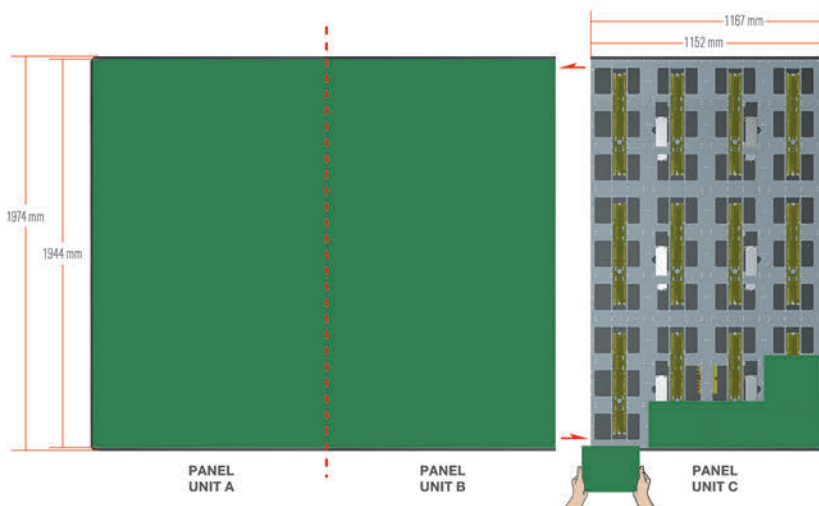
PANEL UNIT C

- Comes in 3 Pre-assembled Panel Units
- Panel Unit Size : 1152 x 1944 mm
- Finished Size : 3486 x 1974 mm
- No Structural Frame to Build
- Simple Wall Mounting Process
- No-fuss Easy Installation
- Choice of 5 Exciting Frame Colours
- Custom Built 3-piece Flightcase for Easy Transportation and Storage
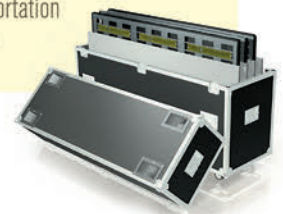
Awesome Images with Intelligent Content Monitoring & Management

Engineered around a high-performance Internet Cyclone IV FGPA and Advanced DDR Flash Chip, iMural's Smart Module is able to deliver excellent image quality with high refresh rate, intelligent video monitoring and worry-free management capabilities.
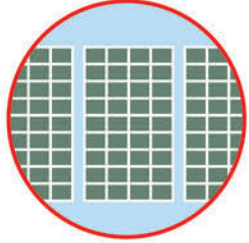
Popular Aspect Ratio Resolutions for Easy Configuration and Transport

iMural module tile measuring 288 x 216 mm is designed natively in 4:3 form factor and can easily form into 16:9 aspect ratio screens with exact compatibility with the most widely-used resolutions. This enables easier content development and video wall processing. In addition, these tiles can be easily assembled or disassembled, stored and shipped. For example, a 16:9 display measuring 3.5 x 1.97 meters can be pre-assembled into 3 panels measuring 1152 x 1974 mm each for easy handling, shipping and storage.

Manage and Control Your Network Remotely and Globally

iMural makes centralized video control and management via internet delivery workflow a reality. Cast your video remotely without the need to have an on-site controlling device or PC. Increase your efficiency by administrating and monitoring your video from the comfort of your office or home.

Hot Swappable Front Access Module and Cableless Connection

Replace faulty modules from the front without the need to disconnect any cable by using only a handle magnet and while the unit is running. We have made front serviceability not only easy but a breeze!

Easy Wall Mounting Solution

Our specially designed wall mounted bracket provides an extremely simple and secure way to affix your iMural to the wall. To get that picture perfect hang whether it is oriented vertically or horizontally, all you need is a drill, a measuring tape, a pencil and a few easily available M6 screws and you you are set. Simply add more brackets as the size of your display grows.

Immersive Visual Experience

iMural is truly seamless and the absence of distracting bezels empowers you to fully exploit your impactful signage content. With full black LEDs, high refresh rate, 160° degrees both horizontally and vertically. You can now experience accurate and vivid colours with consistent levels of brightness from all angles without colour distortion or decay. Rest assured iMural will deliver that crisp, high contrast image 24/7.
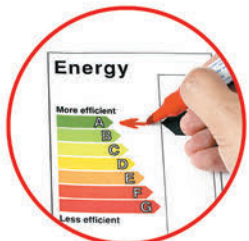
Improved Energy Use

iMural's Smart Module utilizes an energy-saving technology that consumes less electricity than conventional LFD technology. This increases energy efficiency, provides for a lower overall cost of ownership, along with a higher ROI, making it a great long-term investment!

iMural™

EMC COMPLIANT · INDOOR · RENTAL · FIXED

Material Parameters	iMural	
Pixel Pitch	2.571 mm	1.8 mm
Module Size (mm)	288 x 216	
Display Resolution (per module)	112 x 84	160 x 120
LED Configuration	Full Black 3-in-1 SMD (2121)	
Pixel Density (per sq. meter)	160000	308642
Display Dimension (H x W X D)	To Be Configured x 35 mm	
Panel Material	Aluminium	
Outer Frame Colours	7	
Weight	23 kg/Sqm	
Brightness	≥1000cd/m²	
Drive Mode	1/28 constant scan	1/30 constant scan
Viewing Angle	160° (V) / 160° (H)	
Display Colours	4.4 Trillion	
Processing Depth	12 bits	
Refresh Rate	> 3600 Hertz	
Contrast Ratio	3000 : 1	
Operation Power	AC110/240V, 50 − 60Hz	
Maximum Power Consumption	656W/Sqm	
Average Power Consumption	190W/Sqm	
Display Mode	Asynchronous / Synchronous System	
Signal Output	HDMI (Optional)	
Connection Type	Ethernet / WIFI / Internet	
Supported VGA Mode	784 x 588	
Supported Video Files	MPEG-2 / H.264	
Operating Temperature	−10° to +50° Celsius	
Operating Lifetime (50% Brightness)	≥100,000 Hours	
Compliance	CE	

Features and specifications are subject to change without prior notice.

FREIGHT PACKING

Flight Case and Wooden Crate
Custom built to meet your shipping needs

*Non-standard accessories, options and parts available as separately orderable items to complement our LED display solutions.

STANDARD ACCESSORIES

Power Cable
Length : 2000 mm

HDMI Cable
Length : 2000 mm

RJ45 Cable
Length : 2000 mm

Connector Plate

Handle Magnet
• Weight : 2 kg
• Pulling power : 35 kg
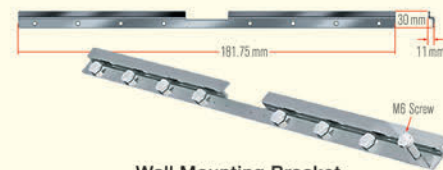
79.55 mm · Ø48.80 mm · 181.75 mm

- ● Ferrari Red
- ● Red Gold
- ● Classic Gold
- ● Space Blue
- ● Electric Purple
- ● Star Silver
- ● Metal Green

Coloured Outer Frame
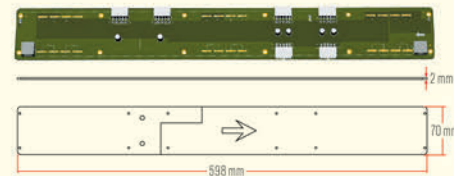Please specify your choice of frame colour when placing orders

OPTIONAL ACCESSORIES

30 mm · 181.75 mm · 11 mm · M6 Screw

Wall Mounting Bracket

REPLACEMENT PARTS

6.2 mm · 216 mm · 288 mm

LED Tile

2 mm · 70 mm · 598 mm
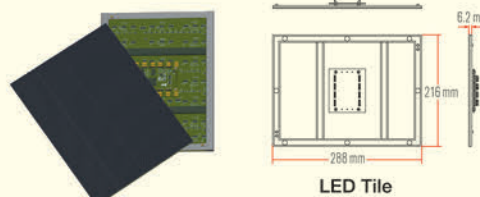
LED Interconnect Board

FPGA Board   **Media Player Board**   **HDMI Board**

Complies with the essential standards/requirements of:
CE

DSFOREGROUND

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