

Panasonic
BUSINESS



LED DISPLAY SOLUTIONS
creating experiences that excite

CHOOSING THE RIGHT SOLUTIONS PARTNER

Selecting the right LED video display solution can be a daunting task. The quality, performance and cost of the product as well as the company behind the installation, service, and support, are amongst the leading factors in the decision making process.

As a world-class Audio Visual electronics company, Panasonic applies decades of engineering and design expertise to provide a complete end-to-end solution.



CONSULTANCY

Panasonic understands the the complexity of the decision making process when it comes to choosing the right technology, and we aim to make this as easy as possible. Our industry professionals have years of experience and are here to help you every step of the way.



DESIGN

With over 30 years experience in the LED Signage Solutions Market, Panasonic has a wealth of knowledge when it comes to designing the right turnkey system for your business, and remains one of the longest standing LED display providers in Australia, with a number of LED installations across the country.



COLLABORATION

As part of the company's commitment to offering a full turnkey solution, Panasonic also works closely with a range of industry partners to ensure our solutions successfully address all of your business needs.

COMMUNICATION WITHOUT BORDERS

The Panasonic brand is synonymous with cutting edge video technology and our high resolution LED displays are no exception.

With an abundance of screen options and continually advancing technology, Panasonic is perfectly positioned to help you take the edge off when choosing the right display solution. Bezel-less LED displays are able to deliver an all screen experience and be customised to any shape and size, and to suit any type of environment.



ENGINEERED TO PERFECTION

Reliable die-cast manufacturing creates a flawless image with no gaps between modules.



CUSTOMISED DESIGNS

LED displays offer more than your traditional LCD screens. Panasonic's bespoke designs can be tailored to meet any business requirement, providing effective and long lasting branding or messaging.



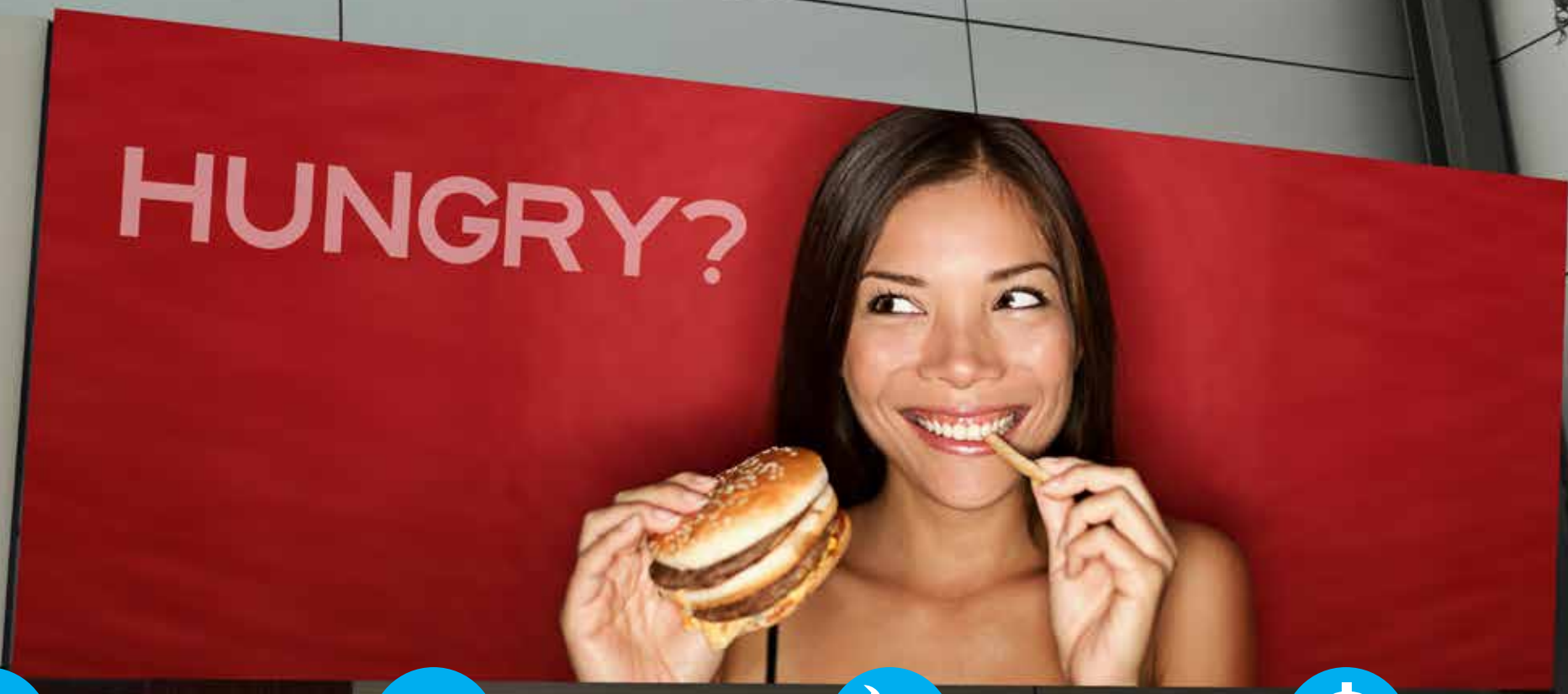
SAFETY

All Panasonic displays come with attached power converters, so only DC power flows through the modules alleviating any potential safety concerns.



VIEWABLE FROM ANY ANGLE

An extra wide 160° viewing angle, both vertically and horizontally, means maximum exposure and visibility.



FLEXIBLE PURCHASE OPTIONS

Do you need finance or the flexibility of hassle free monthly repayments? Whatever your requirement, Panasonic is able to offer multiple purchasing options to best suit your needs.



PERFECT PITCH

With an incredibly diverse pixel range from 1.4mm HD indoor displays to robust 20mm outdoor displays, Panasonic has the ability to deliver dazzling picture quality that engages viewers in any environment.



STRESS FREE INSTALLATION

Installation of your Panasonic LED display is quick and effortless due to its modular design, saving you time and resources, whilst minimising overall project costs.



SUPPORT & MAINTENANCE

Keep your display looking great and ask our expert team about support and maintenance packages to help keep your business running smoothly and reduce the daily stresses from your day to day operations.



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OUTDOOR DISPLAYS

Panasonic's range of large format outdoor LED displays deliver the most vibrant images with unrivalled brightness and clarity, rain or shine. From theatre and shopping mall entrances to sports stadiums, we have what you need for any occasion.

THE PERFORMANCE BENCHMARK

The FL Series is our classic line of fixed outdoor LED displays. As one of the most popular products in the line up, the FL Series has been in production for over a decade, undergoing continuous improvements in its design and performance that have established it as the benchmark in LED displays today.

THE LATEST TECHNOLOGY

The FSL Series is our modified FL classic line of fixed outdoor LED displays. Unlike the FL Series, which are made with DIP LEDs, our FSL Series LED uses newer SMD technology, allowing smaller pixel pitches to be incorporated on very large outdoor displays.

The FSL Series also features a wider viewing angle than our FL Series, allowing the display to capture the attention of a wider audience.



INDOOR DISPLAYS

Panasonic offers a wide range of indoor LED displays in varying sizes and pixel pitches. Regardless of the series, our displays are a guaranteed stand out and are suitable for a variety of locations including concert arenas, conference venues, retail environments, control rooms, and even broadcast studios.

SLEEK CLEAN DESIGN

The HL Series incorporates a small pixel pitch, featuring a slick and clean design. With a sleek back, no cables or wires are exposed on the exterior, making the rear side of the LED screen just as attractive as the illuminated front.



FEATURE PACKED

The FCL Series combine several design features that ensure ease of installation, with clear, vibrant, colourful images.

Cabinets are manufactured with high precision die-cast aluminum panels to ensure a seamless installation and provide an optimal viewing experience.

The FCL Series also incorporates a fan-less design with outstanding heat dissipation capabilities to reduce ambient operational noise, while still preserving the lifespan of the panel.

With each panel weighing about 13kg, the system is extremely easy to install and transport, compared to heavier models that are more commonly found in the market.



OUTDOOR DISPLAY SPECIFICATIONS

VISUAL CHARACTERISTICS	FSL5	FSL6	FSL8	FSL10	FL16-C	FL20-C
Pitch size	5 mm	6 mm	8 mm	10 mm	16 mm	20 mm
Module Dimensions	960 x 960 mm			1024 x 768 mm (TBD)		960 x 960 mm (TBD)
Raw Material of Module Cabinet	Aluminium alloy (TBD)					
Module Weight	≈ 40 - 45 kg			≈ 35 - 40 kg		≈ 40 - 45 kg
Application	Outdoor – Fix installation only					
Resolution by Module	192 x 192 pixels	160 x 160 pixels	120 x 120 pixels	96 x 96 pixels	64 x 48 pixels	48 x 48 pixels
Tiles by Module	4 x 4 tiles (each tile is 48 x 48 pixels)	4 x 4 tiles (each tile is 40 x 40 pixels)	4 x 4 tiles (each tile is 30 x 30 pixels)	4 x 4 tiles (each tile is 24 x 24 pixels)	4 x 3 tiles (each tile is 16 x 16 pixels)	3 x 6 tiles (each tile is 16 x 8 pixels)
Power Consumption approx. (Kw)	≈ 825 w (Based on 6500 nits max. brightness)		≈ 810 w (Based on 6000 nits max. brightness)	≈ 1000 w (Based on 6000 nits max. brightness)	≈ 550 w (Based on 7000 nits max. brightness)	≈ 600 w (Based on 7000 nits max. brightness)
Brightness at White Balance	5500 nits	6000 nits	5000 nits	6000 nits	6500 Nits	
Visible Angle (Horizontal)	+-70°(Brightness reduced in 50% of full brightness)				+-60°(Brightness reduced in 50% of full brightness)	
Visible Angle (Vertical)	+-70°(Brightness reduced in 50% of full brightness)			+-30°(Brightness reduced in 50% of full brightness)		
Maintenance	Front/Rear (TBD)					
Processing Bit	14 bit			16 bit		
Grey Scale				16 bit		
Dimming Level				16 levels		
Brightness Control (min)				16 levels		
Pixel Configuration	1R 1G 1B SMD				1R 1G 1B DIP	
Frames Rate				60Hz		
Colour				281 trillion		
Refresh Rate	1,920Hz – 6400Hz (TBD)				1920 - 6400Hz	
LED Panel Uniformity Adjustment	Adjustment by software					
Lifetime	100,000 hours					
Gradation	65,536 Levels					
Power Source Input Voltage	AC 240V±10% / 50-60Hz					
Colour Temperature	3500° K - 9500°K Fully Adjustable					
Video Compatibility	PAL-NTSC					
Graphics Compatibility	DVI-S- Video-HDMI					
Operating Temperature	-20 - +50°C					
Redundancy	Signal redundancy back up (TBD)					
Auto Detect	Module Temp./Signal flow/PSU					
Auto Detect	Module Temp./Signal flow/PSU					

TBD- To Be Designed means the specification is adjustable by customization.



INDOOR DISPLAY SPECIFICATIONS

Visual Characteristics	HL1.4	HL1.9	HL2.4	FCL3	FCL4	FCL6	FCL10
Module	Aluminium Die-Cast HD			Aluminium Die-Cast		Aluminium housing cabinet	
Pitch size	1.4 mm	1.9 mm	2.4 mm	3 mm	4 mm	6 mm	10 mm
Module Dimensions	476 x 535 mm			576 x 576 mm		960 x 640 mm (TBD)	
Raw Material of Module Cabinet	Aluminium alloy	Aluminium alloy	Aluminium alloy	Aluminium alloy	Aluminium alloy	Aluminium alloy	Aluminium alloy (TBD)
Module Weight	≈ 9 - 10 kg			≈ 12 - 13 kg		≈ 27 - 32 kg	
Application	Indoor – Fix installation only						
Resolution by Module	320 x 360 pixels	240 x 270 pixels	192 x 216 pixels	192 x 192 pixels	144 x 144 pixels	96 x 96 pixels	96 x 64 pixels
Tiles by Module	4 x 3 tiles (each tile is 80 x 120 pixels)	4 x 3 tiles (each tile is 60 x 90 pixels)	4 x 3 tiles (each tile is 48 x 72 pixels)	2 x 2 tiles (each tile is 96 x 96 pixels)	2 x 2 tiles (each tile is 72 x 72 pixels)	2 x 2 tiles (each tile is 48 x 48 pixels)	3 x 4 tiles (each tile is 32 x 16 pixels)
Power Consumption approx. (Kw)	≈ 215 w (Based on 800 nits max. brightness)	≈ 205 w (Based on 800 nits max. brightness)	≈ 200 w (Based on 800 nits max. brightness)	≈ 230 w (Based on 1200 nits max. brightness)	≈ 315 w (Based on 1500 nits max. brightness)	≈ 215 w (Based on 800 nits max. brightness)	≈ 400 w (Based on 1500 nits max. brightness)
Brightness at White Balance	800 Nits	800 Nits	800 Nits	1200 Nits	1500 Nits	1800 Nits	1500 Nits
Visible Angle (Horizontal)	+-80°(Brightness reduced in 50% of full brightness)			+-70°(Brightness reduced in 50% of full brightness)			
Visible Angle (Vertical)	+-80°(Brightness reduced in 50% of full brightness)			+-70°(Brightness reduced in 50% of full brightness)			
Maintenance	Front/Rear (TBD)						
Processing Bit	14 bit						
Grey Scale	16 bit						
Dimming Level	16 levels						
Brightness Control (min)	16 levels (Could be decided)						
Pixel Configuration	1R 1G 1B SMD						
Frames Rate	60Hz						
Colour	2.81 trillion						
Refresh Rate	1,920Hz - 3840Hz (TBD)					1920 Hz	
LED Panel Uniformity Adjustment	Adjustment by software						
Lifetime	100,000 hours						
Gradation	65,536 Levels						
Power Source Input Voltage	AC 240V±10% / 50~60Hz						
Colour Temperature	3500° K 9500°K Fully Adjustable						
Video Compatibility	PAL NTSC						
Graphics Compatibility	DVI S- Video HDMI						
Operating Temperature	-20 - +50°C						
Redundancy	Signal redundancy back up (TBD)						
Auto Detect	Module Temp./Signal flow/PSU						

TBD - To Be Designed means the specification is adjustable by customization.



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