Product Overview

SHARP / NEC

Sharp NEC Display Solutions brings together and integrates technology and expertise to create the ICT-enabled society of tomorrow.

A Lasting Vision

Performance and value, without compromise

Sharp/NEC offers the widest display portfolio available today, backed by industry-leading service and support. This unique advantage means that our customers will experience the perfect-fit solution for their unique needs, assured that it will give them long-life, fit-for-purpose performance for the best possible return on investment whilst helping them achieve their sustainability targets.

Built using high quality components and Japanese engineering standards, Sharp/NEC products and solutions are trusted for long-lasting reliability. This commitment to quality underpins our sustainable management where, through repair and refurbishment programs, we extend the long lifecycle of our products even further, reducing waste and adding value.

Through our relationship with end users, and our expertise across industry sectors, we bring to market the solutions that our customers genuinely need. Innovations such as our super silent projection technology, for example, are a direct result of our market awareness and agile response. We take this further through our partnerships with expert solutions providers to bring our customers the solutions which deliver maximum choice and flexibility.

Certification from Microsoft, Creston, and Cisco, for example, guarantees that our products are compatible and will deliver exceptional user experiences.

Our latest product innovations evidence the continued success of our joint venture, drawing on expertise from both Sharp and NEC brands. Our commitment to our customers is clear: we will offer better performance and value, but not at the expense of quality and the principles of sustainability that all responsible businesses live by, now and in the future.

Content

A Lasting Vision

Quality, Service, Sustainability

It is through high quality product design and manufacture that we drive innovation in reuse, repair and recycle initiatives, whilst reducing energy consumption and waste.

Reduce Energy Use

Recognising that more than 80% of the CO_2 footprint of a display is created during usage, improving energy efficiency is the greatest opportunity to reduce environmental impact.

- Inbuilt functionality optimises energy consumption and lengthens the lifecycle.

- Innovation in flip-chip SMD LED technology achieves 60% reduction in energy consumption.

Reduce Waste

Without compromising our high standards of customer service and the protection of products during shipment, we are constantly innovating to minimise wastage across all our operations.

- Optimised packaging sizes has achieved up to 35% reduction in CO_2 emissions.

- New projector ranges utilise legacy components and mounting infrastructure.

Reuse

Our focus is on producing products, solutions, and services that last, providing fit-for-purpose performance over an extended lifecycle.

- Innovative open modular design allows signage to be reconfigured as needs change.

- Long-life reliability sees our devices still in use way beyond standard refresh cycles.

Repair

Our commitment to quality is demonstrated by our consistently low failure rate, one of the best in the industry. Should a repair be necessary, we offer comprehensive pan-European and Global service programs.

- Local repair centres mean shorter transport routes.

- Tailored service programs support the extraordinarily long lifecycle of LED technology.

Recycle

Even at the design stage we are already thinking about the end of the lifecycle by utilising materials which are recyclable or are already recycled.

- Metal, the major component in our LCD and LED products, is 100% recyclable, feeding the circular economy.

- Our Large Format Displays are 97.4% recyclable.

Direct view LED

Impressive large surface visualisation

Indoor and outdoor LED modules scale up to create attention grabbing walls of intensely vivid images for the brightest environments, available in a range of pixel pitches for up-close or long-distance viewing.

High quality precision engineered components configure to create a single homogenous digital canvas, purpose-designed for easy maintenance and long-life performance.

Indoor LED
0.9mm to 3.9mm

Outdoor LED
2.8mm to 4.8mm

Extended
Warranty
Programs *

* On selected models

dvLED

E Series Bundles	Entry level visualisation in ready-to-go size and pixel options
FE-E Series	Mainstream scalable visualisation with cost and eco savings
FE Series	Flexible visualisation at the perfect price performance level
FE Series Bundles	Standard resolution bundles for signage and conferencing
FA Series	High class components and full redundancy for mission critical applications
FA Series Bundles	Fully redundant standard resolution bundles for mission critical applications
FC Series	Super efficient fine pitch modules with best-in-class visual performance
FC Series Bundles	State-of-the-art performance bundles for comfortable up-close viewing of detailed content
Q Series	Square modules for indoor and outdoor signage applications
B Series	Modules with EMC Class B certification for sizes of up 40m²

E Series | Indoor FinePitch LED Bundles & Modules

For budget sensitive deployments, the E Series brings all the advantages of fine-pitch LED yet in an all-in-one bundle in four standard sizes or with configurable modules in four different pixel pitch options. The slim, elegant design plus the robustness and safety of the metal chassis make it the perfect choice for corporate meeting room scenarios as well as most signage applications in public spaces.

### 1.2mm to 2.5mm
E Series

108" to 217"
E Series Bundles

FE-E Series | Indoor FinePitch LED Modules

Where installations demand a cost efficient solution without compromising on functionality and quality, the FE-E Series pixel card options offer great value for money. Three pixel pitch options provide ample flexibility to achieve scalable large surface digitisation for signage and presentation applications.

1.2mm to 1.9mm
FE-E Series

FE Series | Indoor FinePitch LED Modules & Bundles

Scalable, fine-pitch visualisation for indoor bezel-free large surfaces, the FE Series offers 0.9mm to 3.8mm pixel pitch options to suit usage and budget parameters. Excellent viewing angles, consistent reality-like colours, superb brightness and long lasting performance for conferencing and signage applications.

0.95mm to 3.8mm
FE Series

104" to 220"
FE Series Bundles
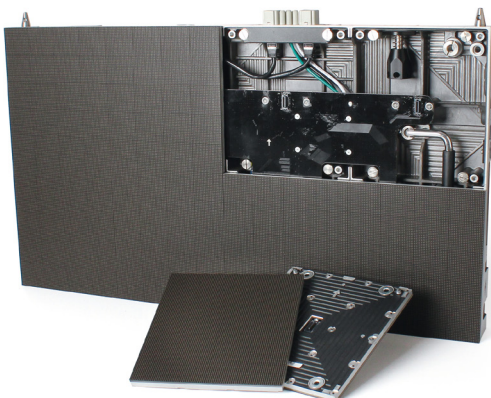
FA Series | Indoor FinePitch LED Modules & Bundles

All Sharp/NEC LED products are meticulously designed and built for reliable long lasting performance; the FA Series features additional fail-safe qualities with redundant power supply and receiver card ensuring mission-critical performance standards. Select your pixel pitch according to room size and viewing distance parameters.

0.95mm to 3.8mm
FA Series

110" to 220"
FA Series Bundles
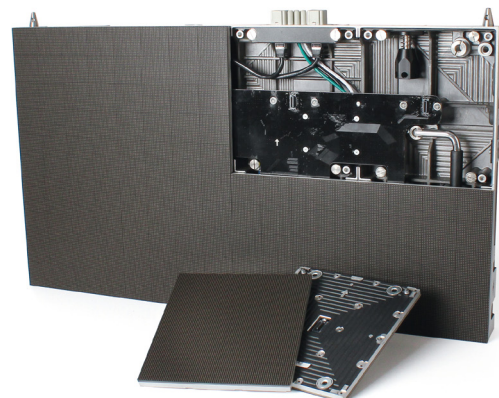
FC Series | Indoor FinePitch LED Modules & Bundles

Best-in-class visual performance and increased robustness with energy efficient CoB dvLED technology delivering extreme contrast with deep black levels. Suitable for indoor public spaces or for applications demanding a high performance level.

Q Series | Indoor and Outdoor Signage

Versatile and customisable, the light weight, slim profile, 1:1 aspect ratio modules configure to maximise the given space and generate extraordinary visual experiences. High brightness levels, along with wide viewing angles and unrivalled contrast ratios make the Q Series shine out even in the brightest environments.

0.9mm to 1.5mm
FC Series

110" to 220"
FC Series Bundles

Indoor: 2.8mm to 3.9mm
Outdoor: 2.8mm to 4.8mm
Q Series

B Series | Indoor EMC Class B LED Modules

For busy public spaces especially airport terminals it is vital to limit electromagnetic interference which can compromise WiFi connections and even air traffic control operations. The NEC B Series is fully compliant to EMC Class B, causing no interference up to 40m2. The versatile 1:1 modules deliver 1000cd/m2 brightness.

3.9mm
B Series

Large Format Displays

Indispensable for signage and presentation

Large Format Displays (LFD) are an indispensable part of digital signage, as well as for presentations and interactive meeting room applications. Sharp/NEC stands for a safe investment secured by high quality components and design, plus high operational safety. With a broad choice of LFD ranges and numerous customisation options, Sharp/NEC delivers tailor-made display solutions.

Essential Displays

E Series — Cost-efficient signage for essential demands at a low TCO

Midrange Displays

ME Series — Essential professional features for entry level usage

M Series — Enhanced performance for demanding mainstream applications

Professional Displays

P Series — The definition of digital signage, supporting the highest demands

Signage Solutions

NEC MediaPlayer Bundles — Modular SoC MediaPlayer for intuitive plug-and-play digital signage

Video Wall Displays

UN Series — Modular and scalable, ultra-narrow bezel displays

Extended Warranty Programs

NaViSet Administrator 2

E Series | Essential Displays

Enter the world of digital signage with Sharp/NEC's prosumer displays. Designed to bring Sharp/NEC's heritage of performance and quality to cost-conscious yet demanding customers, the E Series perfectly suits basic signage applications. Operating standalone via an integrated Media Player, signage starts automatically with the embedded auto-start function.

32" to 98"

E Series

167 CERTIFIED OPERATION   4K UHD On selected models only

ME Series | Midrange Displays

For best-in-class visual performance and value, the second generation ME series commands feature-rich professional capabilities for meeting rooms and signage applications. The multi-functional MultiSync® display with high haze panel, native USB-C connectivity, and quick input detection appeals to Enterprise users for Bring Your Own Device simplicity, supporting hybrid workflows and spontaneous meetings.

43" to 65"

ME Series

*   187 CERTIFIED OPERATION   4K UHD

M Series | Midrange Displays

Featuring scalable computing power, the M Series is customisable to meet your needs today and tomorrow for exceptional visual experiences in the meeting room or for delivering real-time media playback in demanding signage applications. The high haze panel means no distracting reflections.

32" to 98"

M Series

AirServer   247 CERTIFIED OPERATION   4K UHD On selected models only
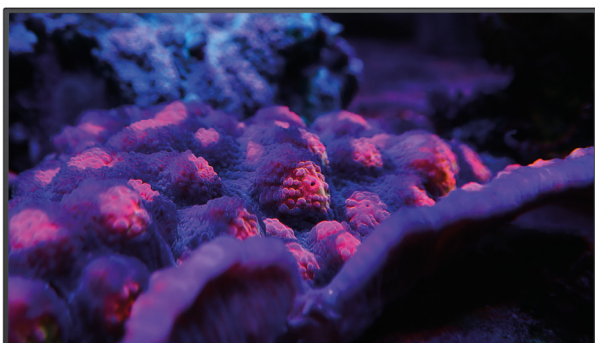
P Series | Professional Displays

Setting the standard for professional digital signage and information distribution applications, the P Series meets the highest demands for colour reproduction with operational safety and durability appropriate even for mission critical applications. The modular and scalable platform secures a futureproof investment.

43" to 55"

P Series
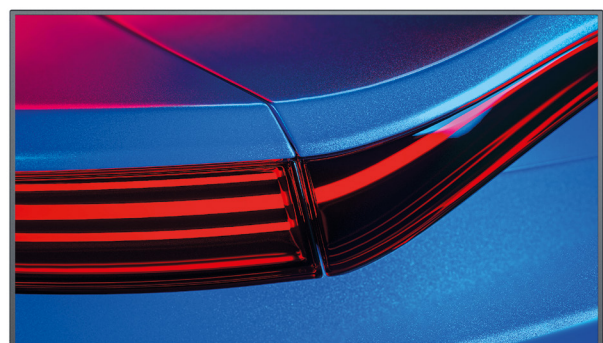
247 CERTIFIED OPERATION   4K UHD   SpectraView™ engine

NEC MediaPlayer Bundles | Digital Signage Solutions

Pre-installed FOC on the NEC RasperryPi Compute module, the NEC MediaPlayer offers a future-proof customisable solution. Seamlessly embedded into the majority of NEC's large format displays, this digital signage bundle is primed and ready for intuitive professional content playback.
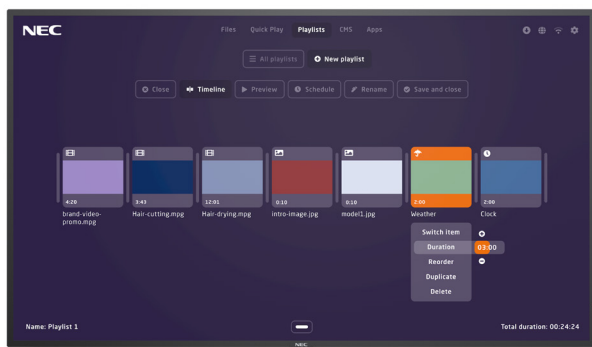
UN Series | Video Wall

Adaptable, scalable and modular, Sharp/NEC video wall solutions offer unlimited creativity in delivering a seamless viewing experience. Responding to all high quality demands such as 24/7 operation, centralised control, colour accuracy and uniformity; the Sharp/NEC offering also includes pre-configuration and mounting solutions, content management and after sales support.

43" to 98"

M, P Series - MPi4

247* CERTIFIED OPERATION   4K UHD   SpectraView* engine

55"

UN Series

247 CERTIFIED OPERATION   1080P FULLHD IMAGE   SpectraView engine

* on selected models
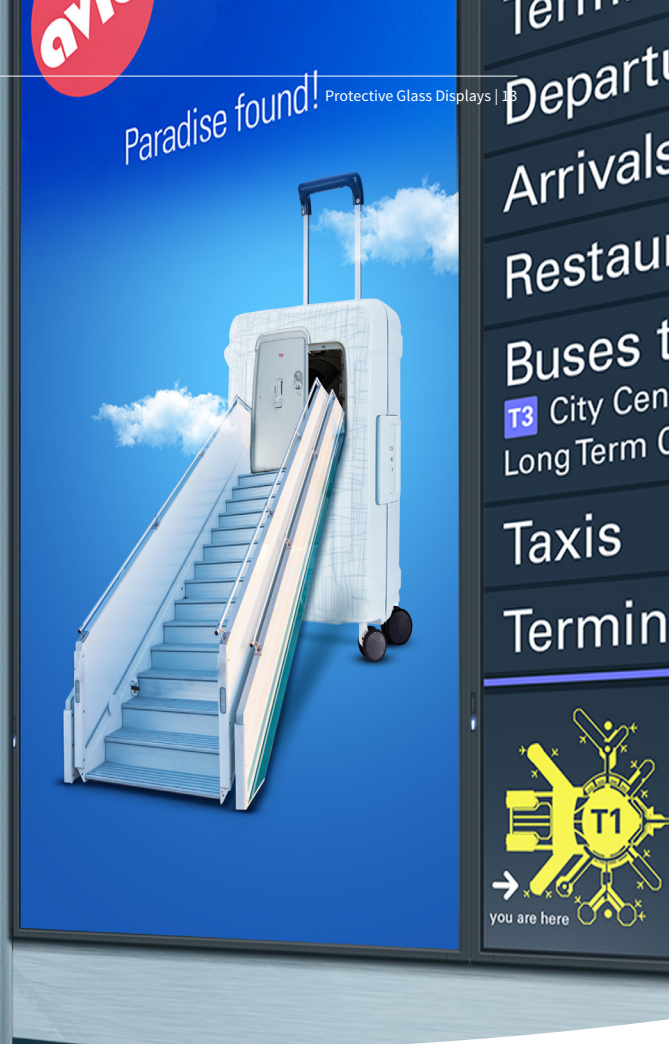
Protective Glass Displays

Safeguarding your investment

Ensuring operational safety even under the toughest conditions, NEC Protective Glass screens deliver superb readability and image clarity whilst protecting your investment. An upgrade path available on many NEC display series, Protective Glass is advisable for signage applications in public spaces protecting against vandalism and accidental damage.

32" to 98"

Protective Glass

Extended Warranty Programs

NaViSet Administrator 2

24 7 CERTIFIED OPERATION

4K UHD On selected models only
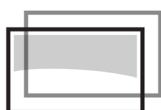
Interactive Displays

Engaging interactive experiences

Intuitive touch engagement attracts and stimulates for a pleasing and more satisfying user experience. Collaboration in meeting rooms and signage, wayfinding and POS/POI - Sharp/NEC's comprehensive range of interactive large format displays offer the technology appropriate for varied applications ensuring the best fit touch solution for your needs.

High-end Collaboration Displays
LA Series   Bringing advanced professional functionality to Enterprise users

Midrange Collaboration Displays
LB Series   Natural 'Pen-on-Paper' interaction for more intuitive collaborative meetings

Entry Collaboration Displays
LC Series   Boost engagement in learning environments with pre-installed applications and tools

Windows Collaboration Display
WD551   Teams certified all-in-one collaboration display supporting BYOM scenarios

Infrared Touch Displays
ME Series IR-2   Reliable touch performance for budget-driven usage

PCAP Touch Displays
M Series PCAP   Superior touch performance for demanding environments

InGlass™ Touch Displays
M Series IGB   Enjoy the most natural writing experience supporting palm rejection and Windows Ink

Du-Co Room System
M Series IGB   Dual-Screen Room System for creative and interactive hybrid meetings

Extended Warranty Programs

NaViSet Administrator 2

Sharp Collaboration Displays - Interactive engagement in meeting rooms and classrooms

Meetings work best when everyone is engaged, involved and able to contribute, but we know that this can be a challenge. Thanks to the simple, intuitive operation of our interactive displays, we are breaking down barriers to inclusion to make meetings come alive. With its intuitive, reliable, and proven design, the Sharp Collaboration Display portfolio brings confidence and trust to any presenter or meeting enabler, encouraging the best group collaboration, idea sharing and decision making.

A is for Advanced	**Sharp LA Series** High-end Enterprise Non-Android	**B** is for Business	**Sharp LB Series** Midrange SMB Android SoC - option to hide	**C** is for Classroom	**Sharp LC Series** Entry Higher Education Android SoC

LA Series | High-end Collaboration Displays

The LA Series safeguards the highest IT security standards whilst supporting maximum choice and flexibility. An Intel®SDM slot expands the display's customizable capability providing pre-installed functionality including Sharp Meeting Launcher for quick access to your favourite apps, FlatFrog Board collaborative whiteboarding software, and AirServer™ for wireless screen sharing.

65" to 86"
LA Series

24/7 CERTIFIED OPERATION · CRESTRON · ClickShare Conference · NaViSet Administrator 2 · USB Type-C · Pen-on-Paper
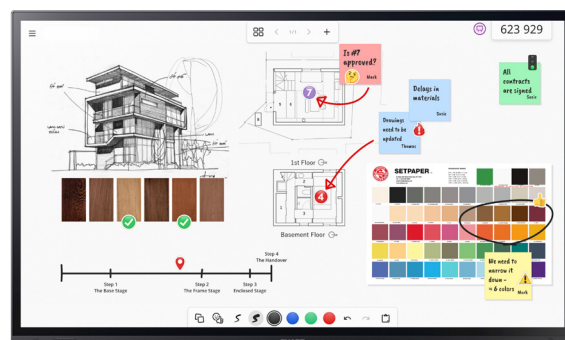
LB Series | Midrange Collaboration Displays

The LB range of smart interactive displays combines genuine '4K reading and writing' and an intuitive 'Pen-on-Paper' user experience with Zero Bonding and Sharp's PrecisionTouch technology. It is the perfect choice for busy office environments, boardrooms, meeting rooms and training sessions that require quick responsive operation and smart integrated collaboration tools.

65" to 86"
LB Series

16/7 CERTIFIED OPERATION · CRESTRON · ClickShare Conference · NaViSet Administrator 2 · USB Type-C · Pen-on-Paper · Android*

LC Series | Entry Collaboration Displays

An all-in-one solution, the LC Series features pre-installed functionality for instant interactivity, and with the EShare feature, content can be wirelessly shared between devices for best collaboration and boosted engagement amongst peers and mentors in learning environments.

65" to 86"
LC Series

16/7 CERTIFIED OPERATION · ClickShare Conference · NaViSet Administrator 2 · USB Type-C · Pen-on-Paper · Android*

WD Series | Windows Collaboration Display

For frictionless meeting experiences, with instant access whether in-room or remote, NEC's WD551 is an all-in-one smart solution for modern meeting spaces. Users simply connect their own device via the secure USB-C cable to immediately share content and start video meetings using already familiar tools.

55"

WD Series

ME Series IR-2 | Infrared Touch Displays

Offering a professional feature set and Sharp/NEC reliability, yet at a very attractive price point, the ME series with infrared touch delivers a satisfying user experience with a fast and precise touch response. Lower budget business operators benefit from upgradable interactive digital signage without requiring specialist expertise.

43" to 55"

ME Series IR-2
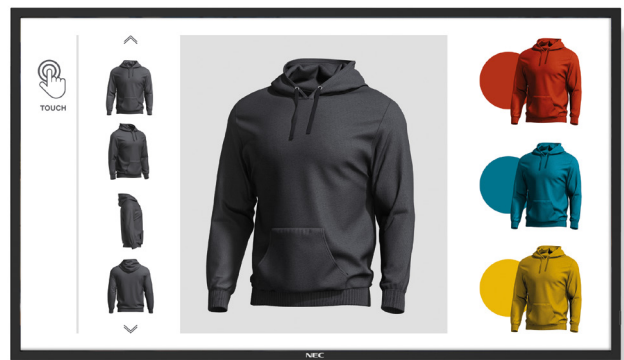
M Series PCAP | PCAP Touch Displays

Great first impressions can make all the difference; presenting your business in the best possible way will boost your brand. With a modern, bezel-free styling, 24/7 operation and reduced reflections when ambient light is high, the M series PCAP touch engages audiences and facilitates collaboration.

43" to 55"

M Series PCAP
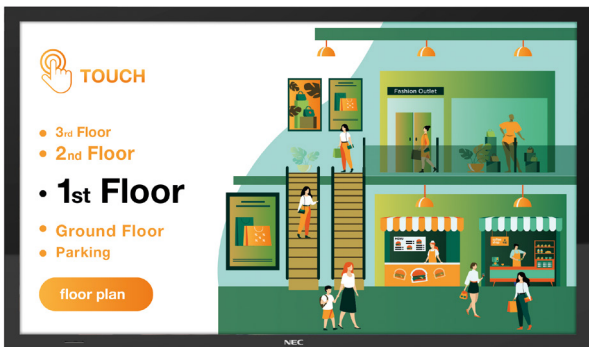
M Series IGB | InGlass™ Touch Displays

The InGlass™ touch displays with responsive passive pen bring superior paper-like writing with minimal latency. High brightness levels ensure excellent readability and image reproduction even in today's typically bright meeting spaces where maintaining a motivational environment is paramount.

55" to 86"

M Series IGB
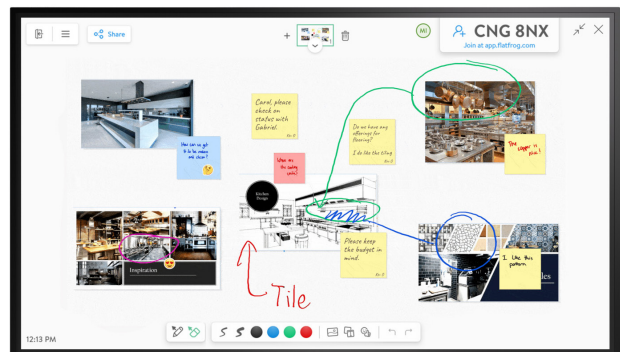
Du-Co Room System | Dual Collaboration

The NEC Dual-Collaboration Room System combines two displays, an interactive NEC MultiSync® M Series IGB display and an identically designed non-interactive MultiSync® M Series, into a comprehensive user-friendly system. It is ideally suited for VC room solutions, like Zoom Room and Teams Room systems. With a sleek and elegant design, the display solution fits seamlessly into modern office spaces.

55" to 75"

M Series IGB
M Series IGB non-touch
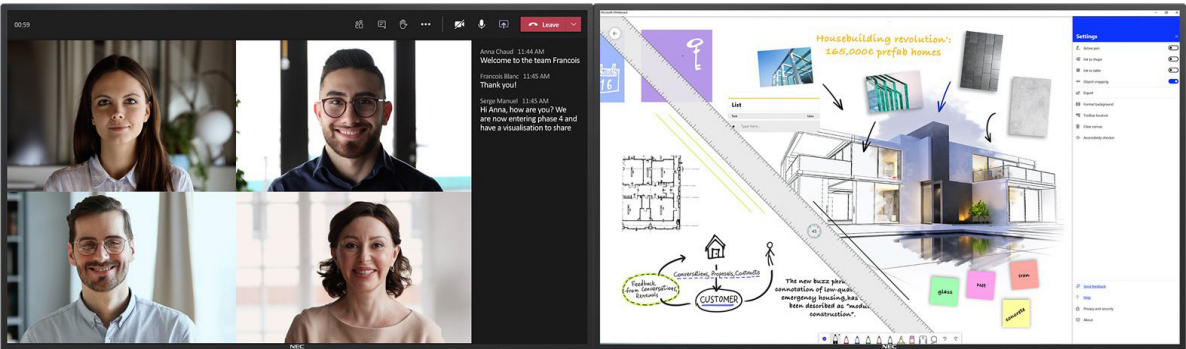
Computing Solutions

Scalable and future-proof

Sharp/NEC's Computing portfolio provides a wide range of smart and seamless connection between source and display to deliver powerful, tailored and future proof digital signage and presentations. Fully embedded computing devices or media players make digital signage simpler, more flexible and more energy efficient without the need for additional cables or hardware, thus reducing waste and costs.

System on Chip (SoC) with Android OS

Bringing out-of-the-box-ready experiences for meeting room and signage applications, a SoC with Android Operating System is integrated into a selection of our large format displays. Customised for Sharp/NEC prioritising ease of use and robust security protocols, Android for Enterprise provides powerful flexibility and peace of mind.

Intel® Smart Display Module (Intel®SDM)

A natural evolution from the previously used OPS (Open Pluggable Specification) interface, Sharp/NEC has adopted the new, fully future-proof Intel® Smart Display Module. Delivering the same level of intelligence and interoperability, but in a smaller form factor and with no housing, the small and large size Intel®SDM modules seamlessly integrate into the latest generation of NEC Large Format Displays. Supporting higher resolutions and higher bandwidth, the Intel®SDM architecture supports even greater performance levels and superb reality-like content playback.

Slot-in Computing Solutions

Upgrade the power of your displays at any time with a wide selection of slot-in computing solutions. Pre-installed on the Raspberry Pi Compute Module 4, with the modular MPi4 NEC MediaPlayer Kit, it has never been easier to create intuitive signage content straight out of the box. For more demanding applications, select your perfect match CPU performance level from our range of Intel®SDM computing devices.

Slot-in Interfaces

Open modular slot-in options from Sharp/NEC offer an interchangeable selection of solutions including computing technology, media playback and signal distribution (eg AVoverIP) for unlimited versatility. Application usage can be extended through the integration of connectivity standards such as HDBaseT or SDI, widening the performance level of the display. The embedded solution enables the displays to be enhanced to a custom-made solution which matches the specific demands of any application. Should future demands change, the integrated module can be upgraded or re-configured accordingly without having to replace the display.

Computing Options

Sharp NEC Display Solutions offers the following certified compute options:

Fully integrated into ME2 Series, L2B and LC2 Series, the Android SoC provides an out of the box ready experience ideal for retail environments, corporate signage and meeting rooms, supported by a range of CMS partners.

The MPi4 NEC MediaPlayer Kit offers a cost-effective solution for signage displays in retail environments, for passenger information and quick service menu boards, with access to one of our many CMS partners for more complex playlists.

The SDM Essential offers a powerul but low-cost solution for digital signage in retail or corporate applications, passenger information and menu boards.

The Midrange computing category is offered in both form factors, OPS and SDM, delivering 4K UHD playback in retail and corporate signage, for interactive and kiosk applications.

The Advanced computing category offers the highest performance in form factor OPS and SDM where applications are highly demanding for complex and intelligent signage or interactive installations.

The Enterprise computing category meets all requirements for demanding corporate meeting room applications such as video conferencing, interactive whiteboards and collaborative use cases. Available in both form factors, OPS and SDM.

SDM Collaboration is a powerful and versatile meeting room solution designed for Sharp's LA Collaboration Display range and NEC M Series IGB Interactive Displays. Benefit from pre-installed Sharp Meeting Launcher for quick access to your favourite apps including FlatFrog Board collaborative whiteboarding software, and AirServer™ for wireless screen sharing.
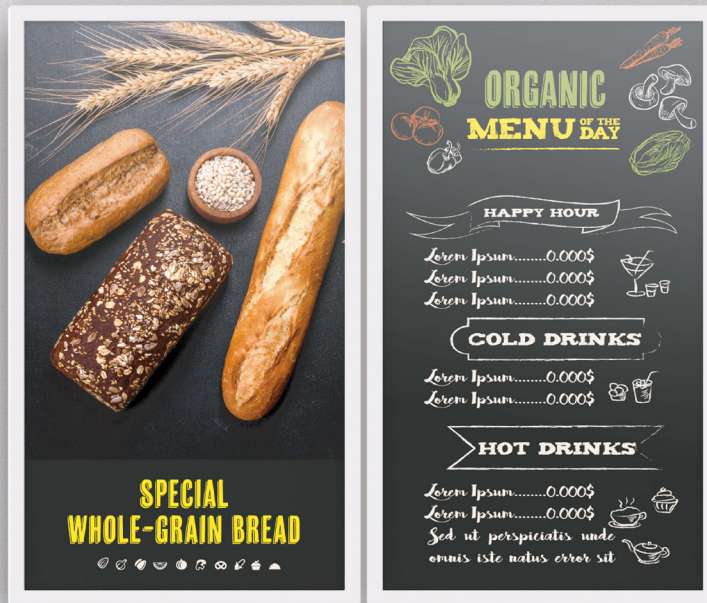
ePaper Displays
Innovative energy-efficient signage

A groundbreaking advance in energy-efficient signage technology, the ePaper display consumes a remarkable zero watts when displaying content. Taking only minimal power draw when content changes, innovation in ePaper signage is making a significant step forward toward the carbon-neutral era.

A digital alternative to paper posters, ePaper presents static content that's always on display, but might need regular updating, such as POS promotions, menu boards and allergen information in retail and hospitality locations, or timetables, check-in, and gate information in transportation settings. Visible in bright environments, with a paper-like appearance that's easy on the eyes with no reflections nor blue light, ePaper is signposting for sustainability and viewer comfort.

Ultra-light weight, the ePaper display can be hung like a picture frame or free standing in any orientation, demanding little in the way of installation and even less during operation.

	C131	C251
Panel Technology	ePaper	ePaper
Screen Size [inch / cm]	13.3 / 33.8	25.3 / 46.3
Aspect Ratio	4:3	16:9
Supported Orientation	Face Down; Face Up; Landscape; Portrait	Face Down; Face Up; Landscape; Portrait
Native resolution	1600 x 1200	3200 x 1800
Connectivity	2x USB Type C, WiFi, Bluetooth 5.0	2x USB Type C, WiFi, Bluetooth 5.0
Dimensions (W x H x D) [mm]	306.4 x 229.9 x 20.9	596.0 x 352.0 x 31.0
Weight [kg]	0.7	1.9
Supported Image Formats	*jpeg, *jpg, *bmp, *png	*jpeg, *jpg, *bmp, *png

Desktop Displays

Personal workspace monitors

Sharp/NEC offers a desktop display for almost any requirement. From cost-conscious to mission-critical, Sharp/NEC's performance-oriented displays combine attractive lifestyle designs with health conscious ergonomics for corporate office, finance, control-room, small signage, creative and publishing applications.

Commercial Enterprise

E Series   Future proof displays for the performance-oriented workplace

EA Series   For the advanced ergonomic and high performance-oriented workplace

E | EA Series | Desktop Displays

Performance-oriented displays with an attractive lifestyle design ideal for corporate users. High image quality and improved connectivity with advanced ergonomics to protect the well-being of the user; these displays, with their modern ultra-thin bezel design, have all the credentials today that will be demanded tomorrow.

17" to 27"   24" to 27"

E Series   EA Series

EXCLUSIVE AUTO EVENT

Projectors

Scalable image size with highest versatility

With scalable bezel-free image sizing, projection is the most flexible of display solutions providing creative opportunities to inform, present and impress. Offering many advantages where flat screen displays are unsuitable, Sharp/NEC offers a wide range of technologies and brightness levels to perfectly meet the needs of numerous and varied applications.

Desktop Projectors

ME Series   Light-weight yet powerfully bright portable projection

Professional Projectors

PE-P Series   Professional installation balancing price with impressive performance

PV Series   Exceptional value for high bright installation projection with wide lens selection

Installation Projectors

PA Series   Ready for large venue installations requiring great visual performance

PX Series   Maximum flexibility and extraordinary brightness for large venues

PH Series   For demanding large venue setups and uncompromising visualisation

Extended
Warranty
Programs

Desktop Projectors

Adaptable, professional projectors for mobile or mounted usage, Sharp/NEC's desktop projection range delivers good brightness capacities and long lamp and filter life to ensure a compellingly low total cost of ownership (TCO). Let your presentation shine bright and vivid with the confidence that your investment is secure.

4000 Lumen*

ME Series

Professional Projectors

With high brightness levels and professional features, this series delivers affordable large-screen projection performance. Enjoy peace of mind with future proof connectivity and a low total cost of ownership (TCO). Deliver impressive high impact presentations, further enhanced by our super-silent laser models for no noise disturbance during meetings.

5200 to 8000 Lumen

PE Series
P Series
PV Series

Installation Projectors

For demanding professional setups, Sharp/NEC's installation projector ranges provide 24/7 operation and impressive cost of ownership driven by a low maintenance filter-free design and long-lasting 20,000 h laser light technology, the latest interface technologies and highest installation flexibility. With premium class picture quality these projection solutions offer a compelling proposition.

6500 to 40000 Lumen*

PA Series
PX Series
PH Series

* Conforming to ISO 21118

Digital Cinema Projectors

Epic cinematic experiences

Deliver a blockbuster experience satisfying the highest expectations of today's cinema-goers. A leading name in Digital Cinema projection, Sharp/NEC's modular customizable solutions can be configured to suit whatever size and format of venue to maximize revenue generation. Breath-taking, pin sharp images with precise colour reproduction plus easy operation makes Sharp/NEC the ideal solution for theatres and art houses.

For more detailed information please visit:
www.digital-cinema-nec.com

Service Plus

A commitment to quality

Sharp NEC Display Solutions has built a world-renowned reputation developing Display Solutions that offer the ultimate in quality, performance and longevity. We have become recognised for professional performance and our product philosophy has enabled Sharp/NEC to become a leading name in the Finance, Transportation, Colour, Corporate, Healthcare, Retail, Education and Cinema sectors.

Sharp/NEC Service Plus takes that philosophy further for the entire sales cycle from pre-sales through to the replacement phase. We take the guessing out of installing and managing a Display Solution inventory over a standard or extended lifecycle. Our customers can concentrate on their business activities, confident that their IT infrastructure is underwritten by the Service Plus promise.

The Service Plus Offering

- Flexible Warranty Extension Programs for all product categories
- 24/7 for selected displays and projectors
- De-/Re-install service
- Optional additional services for dedicated Sharp/NEC displays and projectors with Support+
- Display your brand and mark your property with our Laser Branding Service for dedictated Sharp/NEC Displays and Projectors
- Prism Refurbishment Programme for Digital Cinema Projectors

serviceplus

Software

When matching our Hardware and Software Products, Sharp/NEC focuses on one crucial objective: providing best-in-class visual experiences from a single source. Software solutions from Sharp/NEC work perfectly together with the broadest display portfolio on the market whilst widening the range of applications.

IoT & Asset Management

NaViSet Server Edition

Naviset Server Edition (NASE) expands on the extensive device management capabilities of Naviset Administrator 2 by providing enterprise level display management such as: Multi-user support with secured communications and logging, running as an on-premises server with remote access, a browser-based interface aimed at mobile devices for management on the go, REST API support for interfacing with other applications and management systems, and support for secure access to remote devices on other networks via the Internet.

NaViSet Administrator 2

An essential tool for large estates, the all-in-one NaViSet Administrator 2 software enables IT administrators to remotely manage their network of Sharp/NEC display and projector devices and Windows PCs. In multi-device environments, this system simplifies the handling and control of devices helping to keep maintenance costs low, minimise downtime and ensure the efficient use of resources.

Image Control and Connectivity

Hiperwall

The IP based video wall content and source management software is the preferred choice for mission critical applications such as control rooms to visualise vast amounts of information from multiple data sources via video walls, projection, large format displays and LED walls. Highest flexibility allows the operator to manipulate and visualise crucial real-time content.

NEC MediaPlayer

Straight out of the box, this modular SoC MediaPlayer powered by Raspberry Pi provides an intuitive plug & play digital signage solution. Creating and scheduling content for visual experiences in retail, leisure, transport, QSR or for corporate information has never been so simple to manage. Embedded within NEC's OMP signage displays, it drives content to a single display or to multiple displays across a network. Direct access to additional apps such as streaming, HTML5 browser, network storage or other content management systems completes this powerful offering.
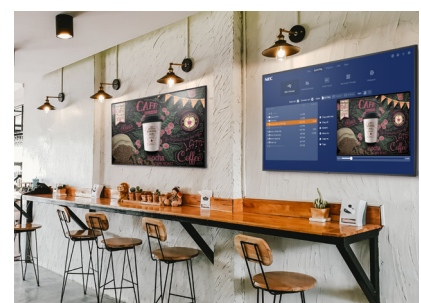
Calibration and Adjustment

ProAssist

Where projected images appear side-by-side or overlap, even imperceptible misalignments in colour and brightness become jarringly apparent. Making manual adjustments to individual projectors is difficult, yet with ProAssist, each projector is fine-tuned via the network to produce a single homogeneous result. ProAssist manages the settings for colour uniformity, colour gamma, lens control as well as edge blending in one single application. The detailed feature support depends on the projector model.

SpectraView® II

The Calibration and Profiling applications provide a highly accurate, reliable and repeatable hardware colour management set. Designed for creative professionals using colour-accurate applications, SpectraView II and SpectraView Profiler software is designed for NEC EA Series desktops as well as the NEC large format UHD monitors.
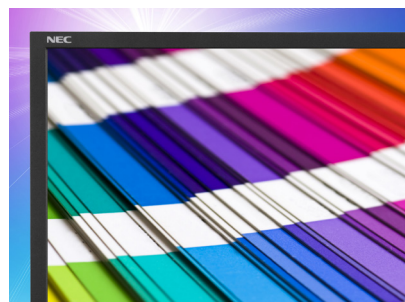
NEC Display Wall Calibrator

Ensuring multiple display configurations deliver impactful viewing experiences, the NEC Display Wall Calibrator software adjusts colours and brightness across an entire video wall. The NEC colorimeter measures all relevant colour characteristics to achieve a perfectly matched result across all screens to ensure uniformity and the impression of one single digital canvas.

Interactivity and Collaboration

FlatFrog Board

FlatFrog Board makes hybrid work easy and equally productive for everyone, wherever you are located. Your remote colleagues can join the meeting room from the laptop, tablet or smartphone using FlatFrog Board personal. The FlatFrog Board whiteboard is always available, just walk up and start using it, grab a pen and start inking.

AirServer

AirServer is the world's leading universal screen monitoring solution providing exceptional compatibility and performance. Compatible with all modern phones, tablets and computers using the technologies built into the device: AirPlay, Google Cast and Miracast. Share the entire screen or cast media from apps with low latency and high quality.
AirServer is a complete wireless presentation solution. No need for apps, cables or dongles to connect.

E Series | Indoor FinePitch LED Modules

	E012i	E015i	E018i	E025i
Order Code	81000220	81000221	81000222	81000223
Pixel Configuration	3-in-1 SMD (Black)	3-in-1 SMD (Black)	3-in-1 SMD (Black)	3-in-1 SMD (Black)
LED Type	SMD (1010)	SMD (1212)	SMD (1415)	SMD (1010)
Pixel Pitch [mm]	1,25	1,56	1,87	2,5
Resolution per m²	640000	409600	28444,4444	160000
Brightness (max.) [cd/m²]	600	600	800	1000
Contrast Ratio (typ.)	5000:1	4000:1	5000:1	7000:1
Viewing Angle [°] hor / ver	170/60	140 /140	140 /140	140/140
Dimming Capability	256 levels	256 levels	256 levels	256 levels
Colour Processing	16 bit	16 bit	14 bit	18 bit
LED Driving Method	1/45 dynamic scan	1/54 dynamic scan	1/60 dynamic scan	1/27 dynamic scan
Refresh Rate [Hz]	3840	3840	3840	3840
Colour Temperature [K]	3000-9500	3000-9500	3000-9500	3000-9500
Power Typical [W] m²	291,3580247	197,5308643	212,345679	197,5308642
Power Maximum [W] m²	617,2839506	617,2839506	617,2839506	617,2839506
Dimensions (W x H x D) [mm]	600 x 337.5 x 29	600 x 337.5 x 29	600 x 337.5 x 29	601 x 337.5 x 29
Weight [kg] Module	4,7	4,7	4,7	4,7
Serviceability	Front	Front	Front	Front
IP Level (Front/Rear)	IP20	IP20	IP20	IP20
Lifetime	100000	100000	100000	100000
Certifications	CE;ETL/UL;FCC Class A;RoHS			
Standard Warranty	2 years			

FE-E Series | Indoor LED Modules

	FE012i2-E	FE015i2-E	FE019i2-E
Order Code	81000224	81000225	81000226
LED Type	SMD (1010)	SMD (1010)	SMD (1010)
Pixel Pitch [mm]	1.267	1.583	1.9
Brightness (max.) [cd/m²]	600	600	600
Lifetime	100000 hours	100000 hours	100000 hours
Contrast Ratio (typ.)	4000:1	4000:1	4000:1
Viewing Angle [°] hor / ver	160 /160	160 /160	160 /160
Colour Processing	16 bit	16 bit	16 bit
LED Driving Method	1/27 dynamic scan	1/27 dynamic scan	1/27 dynamic scan
Refresh Rate [Hz]	3840	3840	3840
Colour Temperature [K]	3000-9500	3000-9500	3000-9500
Power Typical [W]	315	275	275
Dimensions (W x H x D) [mm]	608 x 342 x 49	608 x 342 x 49	608 x 342 x 49
Weight [kg]	8,8	8,8	8,8
Serviceability	Front	Front	Front
IP Level (Front/Rear)	IP20	IP20	IP20
Certifications	CE, ETL, FCC Class A, RoHS		
Warranty	2 years (options to extend)		

E Series Bundles | Indoor FinePitch LED Bundles

	E012i-108	E015i-135	E018i-162	E012i-217	E025i-217
Order Code	81000231	81000232	81000233	81000342	81000343
Resolution	1920 x 1080	1920 x 1080	1920 x 1080	3840 x 2160	1920 x 1080
LED Type	SMD (1010)	SMD (1212)	SMD (1415)	SMD (1010)	SMD (2121)
Module Configuration	4 x 4	5 x 5	6 x 6	8 x 8	8 x 8
Pixel Pitch [mm]	1.25	1.563	1.875	1.2	2.5
Brightness (max.) [cd/m²]	600	600	800	600	1000
Lifetime	100000 hours	100000 hours	100000 hours	100000 hours	100000 hours
Contrast Ratio (typ.)	5000:1	4000:1	5000:1	5000:1	7000:1
Viewing Angle [°] hor / ver	170 /160	140 /140	140 /140	170 /160	160 / 155
Colour Processing	16 bit	16 bit	14 bit	16 bit	18 bit
LED Driving Method	1/45 dynamic scan	1/54 dynamic scan	1/60 dynamic scan	1/45 dynamic scan	1/27 dynamic scan
Refresh Rate [Hz]	3840	3840	3840	≤ 3840	≤ 3840
Colour Temperature [K]	3000-9500	3000-9500	3000-9500	3000-9500	3000-9500
Power Typical [W]	944	1000	1944	3776	2560
Dimensions (W x H x D) [mm]	2412 x 1456 x 47	3012 x 1793,5 x 47	3612 x 2131 x 47	4812 x 2806 x 50	4812 x 2806 x 50
Weight [kg]	89.2	134.5	189.2	342.8	342.8
Connectivity via Controller	3G SDI; DVI-D; HDMI; GenLock; LAN			Displayport, HDMI; TCP/IP and RS232	
Serviceability	Front	Front	Front	Front	Front
IP Level (Front/Rear)	IP20	IP20	IP20	IP20	IP20
Certifications	CE, ETL, FCC Class A, RoHS				
Shipping Content	LED Controller, LED Modules, Overframe Kit, Power Bar, Wall Mount, Spare Parts Kit, Pixel Card Removal Tool				
Warranty	2 years (options to extend)				

FE Series | Indoor FinePitch LED Modules

	FE009i2	FE012i2	FE015i2	FE019i2	FE025i2	FE031i2	FE038i2	FE012i3	FE015i3	FE019i3
Order Code	80000351	80000145	80000146	80000147	80000148	80000149	80000150	81000474	81000475	81000476
Pixel Configuration	4-in-1-IMD (Black)	3-in-1 SMD (Black)	3-in-1 SMD (Black)	3-in-1 SMD (Black)	3-in-1 SMD (Black)	3-in-1 SMD (Black)	3-in-1 SMD (Black)	3-in-1 SMD (Black)	3-in-1 SMD (Black)	3-in-1 SMD (Black)
LED type	IMD (1616)	SMD (1010)	SMD (1010)	SMD (1010)	SMD (1415)	SMD (1415)	SMD (1415)	SMD (1010) FlipChip		
Resolution per m^2	1108033	623269	398892	277008	155817	99723	69252	623269	398892	277008
Number of Pixel per module [dot]	230400	129600	82944	57600	32400	20736	14400	129600	82944	57600
Number of Pixel per card [dot]	28800	16200	10368	7200	8100	2592	1800	16200	10368	7200
Pixel Pitch [mm]	0.95	1.266	1.583	1.9	2.375	2.714	3.8	1.267	1.583	1.9
Brightness (max.) [cd/m^2]	600	700	700	700	1000	1000	1000	700	700	700
Lifetime	100000 hours	100000 hours	100000 hours	100000 hours	100000 hours	100000 hours	100000 hours	100000 hours	100000 hours	100000 hours
Contrast Ratio (typ.)	5000:1	5000:1	5000:1	5000:1	5000:1	5000:1	5000:1	8000:1	8000:1	8000:1
Viewing Angle [°] hor / ver	140 / 140	170 / 170	160 / 160	170 / 170	160 / 160	160 / 160	160 / 160	170 / 160	170/160	160 / 160
Colour Processing	16 bit	16 bit	16 bit	16 bit	16 bit	16 bit	16 bit	16 bit	16 bit	16 bit
LED Driving Method	1/46 dynamic scan	1/27 dynamic scan	1/27 dynamic scan	1/30 dynamic scan	1/27 dynamic scan	1/27 dynamic scan	1/15 dynamic scan	1/45 dynamic scan	1/48 dynamic scan	1/45 dynamic scan
Refresh Rate [Hz]	≤ 3840	≤ 3840	≤ 3840	≤ 3840	≤ 3840	≤ 3840	≤ 3840	3840	3840	≤ 3840
Colour Temperature [K]	3000 - 9500 adjustable / 6500 default				3000 - 9500 adjustable / 6500 default			3000 - 9500	3000 - 9500	3000 - 9500
Power Typical [W] m^2	380	300	275	275	225	225	225	106	106	106
Power Maximum [W] m^2	720	600	600	600	575	575	575	183	183	183
Dimensions (W x H x D) [mm]	608 x 342 x 49	608 x 342 x 49	608 x 342 x 49	608 x 342 x 49	608 x 342 x 49	608 x 342 x 49	608 x 342 x 49	608 x 342 x 49	608 x 342 x 49	608 x 342 x 49
Weight [kg] Module	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
Serviceability	Front				Front			Front	Front	Front
IP Level (Front/Rear)	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20
Certifications	CE, ETL, FCC Class A, RoHS				CE, ETL, FCC Class A, RoHS			CE;ETL/UL;FCC Class A;RoHS;EMC Class B (Module)		
Warranty	3 years (options to extend)				3 years (options to extend)			3 years (options to extend)		

FE Series Bundles | Indoor FinePitch LED Bundles*

	FE009i2-104	FE009i2-110*	FE009i2-165	FE012i2-110	FE012i2-220	FE015i2-137	FE019i2-165	FE025i2-220
Order Code	81000450	81000291	81000112	81000028	81000050	81000020	81000029	81000030
Screen Size [inch/cm]	104 / 264	110 / 279.4	165 / 419	110 / 279	220 / 559	137 / 348	165 / 419	220 / 559
Resolution	2560 x 1080	2560 x 1440	3840 x 2160	1920 x 1080	3840 x 2160	1920 x 1080	1920 x 1080	1920 x 1080
Module Configuration	4 x 3	4 x 4	6 x 6	4 x 4	8 x 8	5 x 5	6 x 6	8 x 8
Pixel Configuration	4-in-1 IMD (Black)			3-in-1 SMD (Black)				
LED type	IMD (1616)	IMD (1616)	IMD (1616)	SMD (1010)	SMD (1010)	SMD (1010)	SMD (1010)	SMD (1415)
Pixel Pitch [mm]	0.95	0.95	0.95	1.266	1.266	1.583	1.9	2.533
Brightness (max.) [cd/m^2]	600	600	600	700	700	700	700	1000
Lifetime	100000 hours	100000 hours	100000 hours	100000 hours	100000 hours	100000 hours	100000 hours	100000 hours
Contrast Ratio (typ.)	5000:1	5000:1	5000:1	5000:1	5000:1	5000:1	5000:1	5000:1
Viewing Angle [°] hor / ver	140 / 140	140 / 140	140 / 140	170 / 170	170 / 170	170 / 170	170 / 170	160 / 140
Colour Processing	16 bit	16 bit	16 bit	16 bit	16 bit	16 bit	16 bit	16 bit
LED Driving Method	1/46 dynamic scan	1/46 dynamic scan	1/46 dynamic scan	1/27 dynamic scan	1/27 dynamic scan	1/27 dynamic scan	1/30 dynamic scan	1/27 dynamic scan
Refresh Rate [Hz]	≤ 3840	≤ 3840	≤ 3840	≤ 3840	≤ 3840	≤ 3840	≤ 3840	≤ 3840
Colour Temperature [K]	3000 - 9500 adjustable / 6500 default			3000 - 9500 adjustable / 6500 default				
Power Typical [W]	960	1280	380	912	3648	1425	2052	3008
Dimensions (W x H x D) [mm]	2472 x 1066 x 82	2472 x 1489.5 x 82	3688 x2173,5 x 81	2472 x 1498,5 x 81	4904 x 2875,5 x 81	3080 x 1831,5 x 81	3688 x 2173,5 x 81	2472 x 1498,5 x 81
Weight [kg]	115.6	182	390	251	987	372	494	987
Bezel Width T-L-R / B [mm]	20-20-20 / 20	20-20-20 / 100	20-20-20 / 100	20-20-20 / 100	20-20-20 / 100	20-20-20 / 100	20-20-20 / 100	20-20-20 / 100
Connectivity via Controller	Displayport, HDMI; TCP/IP and RS232	Displayport, HDMI; TCP/IP and RS232	Displayport, HDMI; TCP/IP and RS232	HDMI, DVI-D, 3G-SDI, LAN, GenLock	Displayport, HDMI; TCP/IP and RS232	HDMI, DVI-D, 3G-SDI, LAN, GenLock	HDMI, DVI-D, 3G-SDI, LAN, GenLock	HDMI, DVI-D, 3G-SDI, LAN, GenLock
Serviceability	Front	Front	Front	Front	Front	Front	Front	Front
IP Level (Front/Rear)	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20
Certifications	CE, ETL, FCC Class A, RoHS			CE, ETL, FCC Class A, RoHS				
Shipping Content	LED Controller, LED Modules, Overframe kit, Pixel Card removal Tool, Power Bar**, Spare Parts Kit, Wall Mount							
Warranty	3 years (options to extend)			3 years (options to extend)				

* FE-E pixel card option available   ** Power Bar not included for FE009i2-104

FA Series | Indoor FinePitch LED Modules

	FA009i2	FA012i2	FA015i2	FA019i2	FA025i2	FA031i2	FA038i2
Order Code	80000290	80000017	80000018	80000019	80000020	80000021	80000022
Pixel Configuration	4-in-1 IMD (Black)	3-in-1 SMD (Black)	3-in-1 SMD (Black)	3-in-1 SMD (Black)	3-in-1 SMD (Black)	3-in-1 SMD (Black)	3-in-1 SMD (Black)
LED type	IMD (1616)	SMD (1010)	SMD (1010)	SMD (1010)	SMD (1515)	SMD (1515)	SMD (1515)
Resolution per m^2	1108033	623269	398892	277008	155817	99723	69252
Number of Pixel per module [dot]	230400	129600	82944	57600	32400	20736	14400
Number of Pixel per card [dot]	28800	16200	10368	7200	8100	2592	1800
Pixel Pitch [mm]	0.95	1.266	1.583	1.9	2.533	3.167	3.8
Brightness (max.) [cd/m^2]	600	800	800	800	1200	1200	1200
Lifetime	100000 hours	100000 hours	100000 hours	100000 hours	100000 hours	100000 hours	100000 hours
Contrast Ratio (typ.)	5000:1	5000:1	5000:1	5000:1	7000:1	7000:1	7000:1
Viewing Angle [°] hor/ver	140 / 140	170 / 170	170 / 170	170 / 170	160 / 160	160 / 160	160 / 160
Colour Processing	16 bit	16 bit	16 bit	16 bit	16 bit	16 bit	16 bit
LED Driving Method	1/46 dynamic scan	1/27 dynamic scan	1/27 dynamic scan	1/30 dynamic scan	1/30 dynamic scan	1/27 dynamic scan	1/15 dynamic scan
Refresh Rate [Hz]	≤ 3840	≤ 3840	≤ 3840	≤ 3840	≤ 3840	≤ 3840	≤ 3840
Colour Temperature [K]	3000 - 9500 adjustable / 6500 default				3000 - 9500 adjustable / 6500 default		
Power Typical [W] m^2	380	315	275	275	225	225	225
Power Maximum [W] m^2	720	600	600	600	575	575	575
Dimensions (W x H x D) [mm]	608 x 342 x 49	608 x 342 x 49	608 x 342 x 49	608 x 342 x 49	608 x 342 x 49	608 x 342 x 49	608 x 342 x 49
Weight [kg] Module	8.8	8.8	8.8	8.8	8.8	8.8	8.8
Serviceability	Front	Front	Front	Front	Front	Front	Front
IP Level (Front/Rear)	IP20	IP20	IP20	IP20	IP20	IP20	IP20
Certifications	CE, FCC Class A, RoHS				CE, FCC Class A, RoHS		
Warranty	3 years (options to extend)				3 years (options to extend)		

FA Series Bundles | Indoor FinePitch LED Bundles

	FA009i2-110	FA009i2-165	FA012i2-110	FA012i2-220	FA015i2-137	FA019i2-165	FA025i2-220
Order Code	81000290	81000101	81000002	81000021	81000004	81000005	81000006
Screen Size [inch/cm]	110 / 279.4	165 / 419	110 / 279	220 / 559	137 / 348	165 / 419	220 / 559
Resolution	2560 x 1440	3840 x 2160	1920 x 1080	3840 x 2160	1920 x 1080	1920 x 1080	1920 x 1080
Module Configuration	4 x 4	6 x 6	4 x 4	8 x 8	5 x 5	6 x 6	8 x 8
Pixel Configuration	4-in-1 IMD (Black)	4-in-1 IMD (Black)	3-in-1 SMD (Black)	3-in-1 SMD (Black)	3-in-1 SMD (Black)	3-in-1 SMD (Black)	3-in-1 SMD (Black)
LED type	IMD (1616)	IMD (1616)	SMD (1010)	SMD (1010)	SMD (1010)	SMD (1010)	SMD (1515)
Pixel Pitch [mm]	0.95	0.95	1.266	1.266	1.583	1.9	2.533
Brightness (max.) [cd/m^2]	600	600	800	800	800	800	1200
Lifetime	100000 hours	100000 hours	100000 hours	100000 hours	100000 hours	100000 hours	100000 hours
Contrast Ratio (typ.)	5000:1	5000:1	5000:1	5000:1	5000:1	5000:1	7000:1
Viewing Angle [°] hor / ver	140 / 140	140 / 140	170 / 170	170 / 170	170 / 170	170 / 170	160 / 160
Colour Processing	16 bit	16 bit	16 bit	16 bit	16 bit	16 bit	16 bit
LED Driving Method	1/46 dynamic scan	1/46 dynamic scan	1/27 dynamic scan	1/27 dynamic scan	1/27 dynamic scan	1/30 dynamic scan	1/27 dynamic scan
Refresh Rate [Hz]	≤ 3840	≤ 3840	≤ 3840	≤ 3840	≤ 3840	≤ 3840	≤ 3840
Colour Temperature [K]	3000 - 9500 adjustable / 6500 default				3000 - 9500 adjustable / 6500 default		
Power Typical [W]	1280	2880	912	3648	1425	2050	3008
Dimensions (W x H x D) [mm]	2472 x 1489.5 x 82	3688 x 2173,5 x 81	2472 x 1498,5 x 81	4904 x 2875,5 x 81	3080 x 1831,5 x 81	3688 x 2173,5 x 81	2472 x 1498,5 x 81
Weight [kg]	182	390	251	660	372	494	987
Bezel Width T-L-R / B [mm]	20-20-20 / 100	20-20-20 / 100	20-20-20 / 100	20-20-20 / 100	20-20-20 / 100	20-20-20 / 100	20-20-20 / 100
Connectivity (via Controller)	Displayport, HDMI; TCP/IP and RS232		HDMI, DVI-D, 3G-SDI, LAN, GenLock	Displayport, HDMI; TCP/IP and RS232	HDMI, DVI-D, 3G-SDI, LAN, GenLock		
Redundancy	LED Controllers, Power Supplies, Receiving Cards				LED Controllers, Power Supplies, Receiving Cards		
Serviceability	Front	Front	Front	Front	Front	Front	Front
IP Level (Front/Rear)	IP20	IP20	IP20	IP20	IP20	IP20	IP20
Certifications	CE, FCC Class A, RoHS, ETL	CE, FCC Class A, RoHS, ETL	CE, FCC Class A, RoHS,	CE, FCC Class A, RoHS, ETL	CE, FCC Class A, RoHS		
Shipping Content	LED Controller, LED Modules, Overframe Kit, Pixel Card removal Tool, Power Bar, Spare Parts Kit, Wall Mount						
Warranty	3 years (options to extend)				3 years (options to extend)		

FA Series | Indoor FinePitch Super Black LED Modules

	FA012i2-SB	FA015i2-SB
Order Code	81000120	81000122
LED Type	SMD (1010)	SMD (1010)
Number of Pixel per module [dot]	129600	82944
Number of Pixel per card [dot]	16200	10368
Pixel Pitch [mm]	1267	1583
Brightness (max.) [cd/m²]	400	400
Lifetime	100000 hours	100000 hours
Contrast Ratio (typ.)	5000:1	5000:1
Viewing Angle [°] hor / ver	140 / 140	140 / 140
Colour Processing	16 bit	16 bit
LED Driving Method	1/27 dynamic scan	1/27 dynamic scan
Refresh Rate [Hz]	3840	3840
Colour Temperature [K]	3000-9500	3000-9500
Power Typical [W] m²	315	275
Power Maximum [W] m²	600	600
Dimensions (W x H x D) [mm]	608 x 342 x 49	608 x 342 x 49
Weight [kg] Module	8.8	8.8
Serviceability	Front	Front
IP Level (Front/Rear)	IP20	IP20
Certifications	CE, ETL, FCC Class A, RoHS	
Warranty	3 years (options to extend)	

FC Series | Indoor FinePitch LED Modules

	FC009i	FC012i	FC015i
Order Code	81000376	81000378	81000380
Pixel Configuration	3-in-1 COB	3-in-1 COB	3-in-1 COB
LED Type	COB (0408)	COB (0408)	COB (0408)
Resolution per m²	1108033	623269	398892
Number of Pixel per module [dot]	230400	129600	82944
Number of Pixel per card [dot]	28800	16200	10368
Pixel Pitch [mm]	0.95	1.267	1.583
Brightness (max.) [cd/m²]	800	800	800
Lifetime	100000 hours	100000 hours	100000 hours
Contrast Ratio (typ.)	20.000:1	20.000:1	20.000:1
Viewing Angle [°] hor / ver	160 /150	160 /160	160 /160
Colour Processing	16 bit	16 bit	16 bit
LED Driving Method	1/36 dynamic scan	1/45 dynamic scan	1/36 dynamic scan
Refresh Rate [Hz]	3840	3840	3840
Colour Temperature [K]	3000-9500	3000-9500	3000-9500
Power Typical [W] m²	135	192	173
Power Maximum [W] m²	289	337	313
Dimensions (W x H x D) [mm]	608 x 342 x 48,5	608 x 342 x 48,5	608 x 342 x 48,5
Weight [kg] Module	7	7	7
Serviceability	Front	Front	Front
IP Level (Front/Rear)	IP40 / IP20	IP40 / IP20	IP40 / IP20
Certifications	CE, ETL, FCC Class A, RoHS		
Warranty	3 years (options to extend)		

FC Series Bundles | Indoor FinePitch LED Bundles

	FC009i-165	FC012i-110	FC012i-220	FC015i-137
Order Code	81000477	81000478	81000479	81000480
Screen Size [Inch]	165	110	220	137
Resolution	3840x2160	1920x1080	1920x1080	1920x1080
Module Configuration	36	16	64	25
Pixel Configuration	3-in-1 COB	3-in-1 COB	3-in-1 COB	3-in-1 COB
LED Type	COB (0408)	COB (0408)	COB (0408)	COB (0408)
Pixel Pitch [mm]	0.95	1.26	1.26	1.58
Brightness (max.) [cd/m²]	800	800	800	800
Lifetime	100000 hours	100000 hours	100000 hours	100000 hours
Contrast Ratio (typ.)	20.000:1	20.000:1	20.000:1	20.000:1
Viewing Angle [°] hor / ver	160 / 150	160 / 160	160 / 160	160 / 160
Colour Processing	16 bit	16 bit	16 bit	16 bit
LED Driving Method	1/36 dynamic scan	1/45 dynamic scan	1/45 dynamic scan	1/36 dynamic scan
Refresh Rate [Hz]	3840	3840	3840	3840
Colour Temperature [K]	3000-9500	3000-9500	3000-9500	3000-9500
Power Typical [W] m²	1008	640	2560	900
Dimensions (W x H x D) [mm]	3688 x 2173 x 82	2472 x 1489,5 x 82	4904 x 2857,5 x 82	3080 x 1831,5 x 82
Weight [kg]	325	153,2	543	234
Bezel Width T-L-R / B [mm]	20-20-20 / 100	20-20-20 / 100	20-20-20 / 100	20-20-20 / 100
Connectivity via Controller	Displayport, HDMI; TCP/IP and RS232	1 x 3G SDI; 1 x DVI-D; 1 x HDMI; 1 x GenLock; 1 x LAN	Displayport, HDMI; TCP/IP and RS232	1 x 3G SDI; 1 x DVI-D; 1 x HDMI; 1 x GenLock; 1 x LAN
Serviceability	Front	Front	Front	Front
IP Level (Front/Rear)	IP40 / IP20	IP40 / IP20	IP40 / IP20	IP40 / IP20
Certifications	CE, ETL/UL, FCC Class A, RoHS	CE, ETL/UL, FCC Class A, RoHS	CE, ETL/UL, FCC Class A, RoHS	CE, ETL/UL, FCC Class A, RoHS
Shipping Content	LED Controller, LED Modules, Overframe Kit, Pixel Card Removal Tool, Power Bar, Spare Parts Kit, Wall Mount			
Warranty	3 years (options to extend)		3 years (options to extend)	

Q Series | Indoor and Outdoor Signage

B Series | Indoor Modules

	Q028i2	Q039i2	Q028e2	Q039e2	Q048e2	B039i
Ordercode	80000023	80000024	80000027	80000028	80000029	80000026
Pixel Configuration	3-in-1 SMD (Black)	3-in-1 SMD (Black)	3-in-1 SMD (Black)	3-in-1 SMD (Black)	3-in-1 SMD (Black)	3-in-1 SMD (Black)
LED type	SMD (2121)	SMD (2121)	SMD (1415)	SMD (1921)	SMD (1921)	SMD (2121)
Resolution per m^2	123904	65536	123904	65536	43264	65536
Number of Pixel per module [dot]	176 x 176	128 x 128	176 x 176	128 x 128	104 x 104	4096
Pixel Pitch [mm]	2.841	3.91	2.84	3.91	4.8	3.91
Brightness (max.) [cd/m^2]	1200	1200	4000	5500	5500	1000
Lifetime	100000 hours	100000 hours	100000 hours	100000 hours	100000 hours	100000 hours
Contrast Ratio (typ.)	7.000:1	7.000:1	7.000:1	6000:1	6000:1	3000:1
Viewing Angle [°] hor / ver	160 / 140	140 / 140	140 / 140	140 / 120	140 / 140	160 / 160
Colour Processing	256 levels	256 levels	256 levels	256 levels	256 levels	16 bit
Colours	16 bit	16 bit	16 bit	16 bit	16 bit	281 trillion
LED Driving Method	1/22 dynamic scan	1/16 dynamic scan	1/22 dynamic scan	1/8 dynamic scan	1/13 dynamic scan	1/16 dynamic scan
Refresh Rate [Hz]	< 3840	< 3840	< 3840	< 3840	< 3840	2400
Colour Temperature [K]	3200 - 9300	3200 - 9300	3200 - 9300	3200 - 9300	3200 - 9300	3200 - 9300 adjustable
Power Typical [W] m^2	200	200	270	240	240	136
Power Maximum [W] m^2	480	480	720	640	640	400
Dimensions (W x H x D) [mm]	500 x 500 x 70	500 x 500 x 70	500 x 500 x 70	500 x 500 x 70	500 x 500 x 70	500 x 500 x 78
Weight [kg]	8.3	8.3	8.5	8.5	8.5	9
Dimension Pixelcard (W x H) [mm]	250 x 250	250 x 250	250 x 250	250 x 250	250 x 250	250 x 250
Serviceability	Front; Rear Service		Front; Rear Service			Standard Rear, Front Optional
IP Level (Front/Rear)	IP30	IP30	IP65	IP65	IP65	IP30
Certifications	CE, ETL, FCC Class A, RoHS		CE, ETL, FCC Class A, RoHS			CE, EMC Class B, RoHS, CCC
Warranty	2 years (options to extend)		2 years (options to extend)			

E Series | Essential Displays

MultiSync® Model	E328	E438	E498	E558	E658	E758	E868	E988
Order Code	60005270	60005045	60005052	60005054	60005059	60005157	60005159	60005929
Panel Technology	IPS / Direct LED	IPS / Direct LED	IPS / Direct LED	IPS / Direct LED	IPS / Direct LED	IPS / Direct LED	IPS / Direct LED	IPS / Direct LED
Screen Size [inch / cm]	32 / 80	43 / 108	49 / 123	55 / 139	65 / 164	74.5 / 189.3	85.6 / 217.43	97.5 / 247.7
Brightness (max.) [cd/m²]	400	400	400	400	400	400	400	400
Contrast (typ.)	1200:1	1200:1	1200:1	1200:1	1200:1	≥ 8000:1	≥ 8000:1	≥ 8000:1
Viewing Angle horizontal / vertical [°]	178 / 178	178 / 178	178 / 178	178 / 178	178 / 178	178 / 178	178 / 178	178 / 178
Response Time (typ. G to G) [ms]	8	8	8	8	8	8	8	8
Haze Level (%)	Standard (1)	Standard (1)	Standard (1)	Standard (1)	Standard (1)	Pro (25)	Pro (25)	Pro (28)
Supported orientation	Landscape, Portrait	Landscape, Portrait	Landscape, Portrait	Landscape, Portrait	Landscape, Portrait	Landscape, Portrait	Landscape, Portrait	Landscape, Portrait
Native Resolution	1920 x 1080	3840 x 2160	3840 x 2160	3840 x 2160	3840 x 2160	3840 x 2160	3840 x 2160	3840 x 2160
Connectivity	3 HDMI, VGA	3 HDMI, VGA	3 HDMI, VGA	3 HDMI, VGA	3 HDMI, VGA	3 HDMI, VGA, USB 2.0, USB Type C	3 HDMI, VGA, USB 2.0, USB Type C	3 HDMI, VGA, USB 2.0, USB Type C
Power Consumption shipping [W]	33	72	109	105	144	145	205	200
Power Savings Mode [W]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimensions (W x H x D) [mm]	727 x 422 x 67	970 x 560 x 71	1103 x 608 x 72	1238.6 x 718 x 72	1458 x 834 x 73	1682.3 x 961.1 x 83.2	1927.6 x 1099.1 x 83.2	2194.65 x 1250.15 x 84.3
Weight [kg]	5.3	8.9	12.4	16.8	23.8	36.3	46	65,4
Bezel Width [mm]	12.5 (left, right, top); 13.9 (bottom)	12.5 (left, right, top); 13.9 (bottom)	12.5 (left, right, top); 13.9 (bottom)	12.5 (left, right, top); 13.9 (bottom)	13 (left, right, top); 14.4 (bottom)	14.3 (left, right and top); 14.8 (bottom)	14.3 (left, right and top); 14.8 (bottom)	15.9
Integrated Speakers	2x 5 W	2x 10 W	2x 10 W	2x 10 W	2x 10 W	2x 10 W	2x 10 W	2x 10 W
NaviSet	●	●	●	●	●	●	●	●

ME Series | Midrange Displays

MultiSync® Model	ME432	ME502	ME552	ME652
Order Code	60005921	60005922	60005923	60005924
Panel Technology	IPS / Direct LED	VA / Direct LED	IPS / Direct LED	IPS / Direct LED
Screen Size [inch / cm]	43 / 108	50 / 126	55 / 139	65 / 164
Brightness (max.) [cd/m²]	400	450	450	450
Contrast (typ.)	1200:1	1200:1	1200:1	1200:1
Viewing Angle horizontal / vertical [°]	178 / 178	178 / 178	178 / 178	178 / 178
Response Time (typ. G to G) [ms]	8	6	8	8
Haze Level (%)	Pro (25)	Pro (25)	Pro (25)	Pro (25)
Supported orientation	Landscape, Portrait	Landscape, Portrait	Landscape, Portrait	Landscape, Portrait
Native Resolution	3840 x 2160	3840 x 2160	3840 x 2160	3840 x 2160
Embedded Computing	Android 13, 4G RAM, 32GB ROM	Android 13, 4G RAM, 32GB ROM	Android 13, 4G RAM, 32GB ROM	Android 13, 4G RAM, 32GB ROM
Connectivity	3 HDMI, USB Type C	3 HDMI, USB Type C	3 HDMI, USB Type C	3 HDMI, USB Type C
Power Consumption shipping [W]	90	85	120	140
Power Savings Mode [W]	<0.5	<0.5	<0.5	<0.5
Dimensions (W x H x D) [mm]	964.6 x 552.5 x 62	1118.6 x 639.2 x 62	1233 x 703.5 x 62	1463.3 x 838.2 x 68
Weight [kg]	9.4	11.7	13.2	23.7
Bezel Width [mm]	9.9	9.9	9.9	15.9
Integrated Speakers	2x 10 W	2x 10 W	2x 10 W	2x 10 W
NaviSet	●	●	●	●

M Series | Midrange Displays

MultiSync® Model	M321	M431	M491	M551	M651	M751	M861	M981
Order Code	60005288	60005047	60005051	60005055	60005061	60005064	60005067	60005069
Order Code with MPi4	40001610	60005380	60005381	60005382	60005383	60005320	60005321	60006049
Panel Technology	IPS / Edge LED	IPS / Direct LED	IPS / Direct LED	IPS / Direct LED	IPS / Direct LED	IPS / Direct LED	IPS / Direct LED	IPS / Direct LED
Screen Size [inch / cm]	32 / 80	43 / 108	49 / 123	55 / 139	65 / 164	75 / 189.3	86 / 217.4	98 / 248.92
Brightness (max.) [cd/m²]	450	500	500	500	500	500	500	500
Contrast (typ.)	1100:1	≥ 8000:1	≥ 8000:1	≥ 8000:1	≥ 8000:1	≥ 8000:1	≥ 8000:1	≥ 8000:1
Viewing Angle Hor / Ver [°]	178 / 178	178 / 178	178 / 178	178 / 178	178 / 178	178 / 178	178 / 178	178 / 178
Response Time (typ. G to G) [ms]	8	8	8	8	8	8	8	8
Haze Level (%)	Pro (28)	Pro (28)	Pro (28)	Pro (28)	Pro (28)	Pro (25)	Pro (28)	Pro (28)
Supported orientation	Landscape, Portrait, Face Up	Landscape, Portrait, Face Up	Landscape, Portrait, Face Up	Landscape, Portrait, Face Up	Landscape, Portrait, Face Up	Landscape, Portrait	Landscape, Portrait	Landscape, Portrait
Native Resolution	1920 x 1080	3840 x 2160	3840 x 2160	3840 x 2160	3840 x 2160	3840 x 2160	3840 x 2160	3840 x 2160
Connectivity	VGA, DP, 2 HDMI, USB 2.0	2 HDMI, DP	2 HDMI, DP	2 HDMI, DP	2 HDMI, DP	DP, 2 HDMI, USB 2.0	DP, 2 HDMI, USB 2.0	DP, 2 HDMI, USB 2.0
Slot-In Option	OPS, Compute Module Slot	Intel® SDM; RPi Compute Module 4				Intel® SDM; RPi Compute Module 4		
Power Consumption shipping [W]	40	80	80	110	120	205	320	340
Power Savings Mode [W]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimensions (W x H x D) [mm]	726.5 x 425.4 x 66.5	968 x 561 x 67	1103 x 636 x 61	1240 x 713 x 61	1458 x 836 x 63	1682.3 x 961.1 x 83.2	1927.6 x 1099.1 x 83.2	2194.7 x 1250.2 x 84.3
Weight [kg]	6.3	17.8	21.8	26.4	37.1	38	47	67
Bezel Width [mm]	11.8 (top); 11.9 (left and right); 17.2 (bottom)	11 (left, right, top); 15.6 (bottom)	12 (top); 12.5 (left, right); 15.6 (bottom)	12 (top); 12.5 (left, right); 15.6 (bottom)	12 (top); 12.5 (left, right); 15.6 (bottom)	14.3 (left, right and top); 14.8 (bottom)	14.3 (left, right and top); 14.8 (bottom)	14.3 (left, right and top); 14.8 (bottom)
Integrated Speakers	2 x 5 W	2 x 10 W	2 x 10 W	2 x 10 W	2 x 10 W	2 x 10 W	2 x 10 W	2 x 10 W
NaviSet	●	●	●	●	●	●	●	●
SpectraView Engine	-	-	-	-	-	●	●	●
AirServer	●	●	●	●	●	●	●	●
Cisco Webex	-	-	-	-	-	●	●	-

P Series | Professional Signage — BT | Stretched

MultiSync® Model	P435	P495	P555	BT421
Order Code	60005141	60005049	60005058	60004365
Order Code with MPi4	60005376	60005377	60005378	-
Panel Technology	IPS / Edge LED	IPS / Edge LED	IPS / Edge LED	VA / Direct LED
Screen Size [inch / cm]	43 / 108	49 / 125	55 / 139	42 / 107
Brightness (max.) [cd/m²]	700	700	700	700
Contrast (typ.)	≥ 8000:1	≥ 8000:1	≥ 8000:1	4000:1
Viewing Angle Hor / Ver [°]	178 / 178	178 / 178	178 / 178	178 / 178
Response Time (typ. G to G) [ms]	8	8	8	8
Haze Level (%)	Pro (28)	Pro (28)	Pro (28)	Pro (44)
Supported Orientation	Landscape, Portrait, Face Up, Face Down			Landscape, Portrait
Native Resolution	3840 x 2160	3840 x 2160	3840 x 2160	1920 x 480
Connectivity	HDMI: 2 In, 1 Out; DP 2 In, 1 Out			DVI: 2 In, 1 Out, LAN
Slot-In Option	Intel® SDM; RPi Compute Module 4			-
Power Consumption shipping [W]	90	105	110	50
Power Savings Mode [W]	<0.5	<0.5	<0.5	< 0.5
Dimensions (W x H x D) [mm]	968 x 561 x 67	1103 x 636 x 61	1240 x 713 x 61	1060 x 289 x 65
Weight [kg]	18.5	22.9	27.6	9.3
Bezel Width [mm]**	11 (left, right, top); 15.6 (bottom)	12 (top); 12.5 (left, right); 15.6 (bottom)	12 (top); 12.5 (left, right); 15.6 (bottom)	7.9 L+R / 9.8 T / 14.7 B
Integrated Speakers	-	-	-	-
NaviSet	●	●	●	●
SpectraView Engine	●	●	●	-

UN Series | Video Wall

MultiSync® Model	UN552	UN552V	UN552S	UN552VS
Order Code	60004884	60004882	60004523	60004524
Panel Technology	IPS / Direct LED	IPS / Direct LED	IPS / Direct LED	IPS / Direct LED
Screen Size [inch / cm]	55 / 140	55 / 140	55 / 140	55 / 140
Brightness (Max.) [cd/m²]	700	500	700	500
Contrast (typ.)	1200:1	1200:1	1100:1	1100:1
Viewing Angle Hor / Vert [°]	178 / 178	178 / 178	178 / 178	178 / 178
Response Time (typ. G to G) [ms]	8	8	8	8
Haze Level (%)	Pro (28)	Pro (28)	Pro (28)	Pro (28)
Supported Orientation	Landscape, Portrait	Landscape, Portrait	Landscape, Portrait	Landscape, Portrait
Native Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Connectivity	DP In/Out, HDMI In/Out, DVI-D, VGA	DP In/Out, HDMI In/Out, DVI-D, VGA	DP In/Out, HDMI In/Out, DVI-D, VGA	DP In/Out, HDMI In/Out, DVI-D, VGA
Slot-In Option	OPS, Compute Module Slot	OPS, Compute Module Slot	OPS, Compute Module Slot	OPS, Compute Module Slot
Power Consumption shipping [W]	150	110	165	160
Power Savings Mode [W]	<0.5	<0.5	<0.5	<0.5
Dimensions (W x H x D) [mm]	1213 x 684 x 104	1213 x 684 x 104	1211 x 682 x 99	1211 x 682 x 99
Weight [kg]	25.5	25.5	25.8	25.8
Bezel Width T - L / B - R [mm]*	2.3 / 1.2	2.3 / 1.2	0.44 / 0.44	0.44 / 0.44
NaviSet	●	●	●	●
SpectraView Engine	●	●	●	●
NEC Display Wall Calibrator	●	●	●	●

Protective Glass Displays

MultiSync® Model	M321 PG-2	M431 PG-2	M491 PG-2	M551 PG-2
Order Code	60005605	60005850	60005851	60005852
Base Model	M321	M431	M491	M551
All specs same as base model except for those listed below				
Dimensions (W x H x D) [mm]	731.5 x 438.4 x 76.5	968.2 x 561 x 67.1	1103.4 x 636.2 x 61.1	1239.6 x 713 x 61.1
Weight [kg]	9.1	17.8	21.8	26.4
Bezel Width T-B / L-R [mm]	18.4 (top);14.4 (left and right); 23.8 (bottom)	11 (left, right and top); 15.6 (bottom)	12 (top); 12.5 (left and right); 15.6 (bottom)	12 (top); 12.5 (left and right); 15.6 (bottom)
Glass Type	GroGlass® Protective Glass; Premium toughened glass, anti-glare coating			
Glass Thickness [mm]	4	4	4	4
Coating	Security Glass with anti-reflextion coating			
Light Transmission [%]	≥ 97	97	97	97
Reflection Rate [%]	1	<1	<1	<1

Protective Glass Displays

MultiSync® Model	M651 PG-2	P435 PG-2	P495 PG-2	P555 PG-2
Order Code	60005853	60005857	60005858	60005859
Base Model	M651	P435	P495	P555
All specs same as base model except for those listed below				
Dimensions (W x H x D) [mm]	1458.4 x 836.2 x 62.6	968.2 x 561 x 67.1	1103.4 x 636.2 x 61.1	1239.6 x 713 x 61.1
Weight [kg]	37.1	18.5	22.9	27.6
Bezel Width T-B / L-R [mm]	12 (top); 12.5 (left and right); 15.6 (bottom)	11 (left, right and top); 15.6 (bottom)	12 (top and bottom); 12.5 (left and right); 15.6 (bottom)	12 (top); 12.5 (left and right); 15.6 (bottom)
Glass Type	GroGlass® Protective Glass; Premium toughened glass, anti-glare coating			
Glass Thickness [mm]	5	4	4	4
Coating	Security Glass with anti-reflextion coating			
Light Transmission [%]	97	97	97	97
Reflection Rate [%]	<1	<1	<1	<1

LA Series | High End   LB Series | Midrange   LC Series | Entry

	PN-LA652	PN-LA752	PN-LA862	PN-L652B	PN-L752B	PN-L862B	PN-LC652	PN-LC752	PN-LC862
Order Code	60005930	60005933	60005559	60005557	60005558	60005559	60005890	60005892	60005901
Panel Technology	IPS / Direct LED			VA / IPS Direct		IPS / Direct LED	IPS / Direct LED		
Screen Size [inch / cm]	65 / 163.9	75 / 189.3	86 / 217.4	65 / 163.9	75 / 189.3	86 / 217.4	65 / 163.9	75 / 189.3	86 / 217.4
Brightness w/o glass (max.) [cd/m^2]	450	500		400			450		
Supported Orientation	Landscape, Portrait, Face-up			Landscape & Portrait		Landscape	Landscape		
Operating Hours	24/7			16/7			16/7		
Haze Level (%)	4 ~ 8			3 ~ 8			3 ~ 8		
Hardness [H]	≥8			≥8			≥8		
Bonding Technology	Zero Bonding			Zero Bonding			Zero Bonding		
Touch Technology	InGlass™ M5			PrecisionTouch			Infrared		
Touch Points	20			20			20		
Input Method	Finger, Stylus, Gloves			Finger, Stylus, Gloves			Finger, Stylus, Gloves		
Packaged pen	2x Passive Pen (2mm/5mm)			2x Passive Pen (3mm/9mm)			2x Passive Pen (3mm/8mm)		
Windows Ink	●			●			—		
Palm Rejection	●			—			—		
Pressure Sensitivity	●			—			—		
Connectivity	2x HDMI, 1x DP, 1x USB-C, 3x USB-A, 1x USB-B (Touch), 1x DP OUT			1x VGA, 3x HDMI, 1x USB-C, 5x USB-A, 2 x USB-B (Touch)			1x VGA, 3x HDMI, 1x DP, 1x USB-C, 4x USB-A, 2x USB-B (Touch), 1x HDMI OUT		
Front Bezel Ports	—			2x USB-A			1x HDMI, 1x USB-B, 2x USB-A		
Slot-in Option	Intel SDM			Intel OPS			Intel OPS		
Embedded SoC	—			Android 9			Android 11		
Google CTS	—			●			—		
Hide Android SoC	—			●			—		
App Side Loading (Android SoC)	—			●			—		
Packaged Software	FlatFrog Board for Rooms (1 year), Sharp Pen Software, additional applications with optional SDM-L Collaboration			Sharp Pen Software			Sharp Pen Software		
Power Consumption Eco (shipping) [W]	190	205	275	165	230	295	180	200	260
Dimensions (W x H x D) [mm]	1493.5 x 896.1 x 90.7	1720.1 x 1023.6 x 86.5	1965.4 x 1163.9 x 86.5	1488.4 x 896.6 x 85.5	1709.4 x 1019.8 x 85.7	1957 x 1159.5 x 85.7	1511.6 x 917.9 x 85.9	1722.5 x 1032.1 x 87.1	1967.9 x 1170.2 x 87.1
Weight [kg]	49	56.5	71.5	36.5	49.5	62.5	38.5	51	65
VESA Mounting [mm]	600 x 400			600 x 400	800 x 400	800 x 600	600 x 400	800 x 400	800 x 600
Bezel Width T-B / L-R [mm]	4.8 (L/R/T); 32.3 (B)			16.8 (left, right and top); 45.7 (bottom)			21.9 (left, right and top); 53.2 (bottom)		
Front Bezel Buttons	Stand-by, User OSD			Stand-by			Stand-by, Home, Freeze, Input, Volume		
Integrated Speakers	2x 15 W			2x 10 W			2x 15 W		
Integrated Sensors	Temperature, Ambient Light, Presence Detection			Temperature			Temperature		
NaviSet	●			●			●		

ME Series IR | Infrared   M Series PCAP | PCAP   M Series IGB | InGlass™

	ME431 IR-2	ME501 IR-2	ME551 IR-2	M431 PCAP	M491 PCAP	M551 PCAP	M651 PCAP	M551 IGB	M651 IGB	M751 IGB	M861 IGB
Order Code	60005077	60005081	60005084	60005076	60005080	60005082	60005341	60005425	60005426	60005948	60005949
Base Model	ME431	ME501	ME551	M431	M491	M551	M651	M551	M651	M751	M861
Panel Technology	IPS / Direct LED	IVA / Direct LED	IPS / Direct LED	IPS / Direct LED				IPS / Direct LED			
Screen Size [inch / cm]	43 / 108	50 / 125.7	55 / 138.8	43 / 108	49 / 123.2	55 / 138.8	65 / 163.9	55 / 138.8	65 / 163.9	75 / 189.3	86 / 217.4
Brightness w/o glass [cd/m2]	400			500				500			
Supported Orientation	Landscape, Portrait			Landscape, Portrait, Face-up				Landscape, Portrait, Face-up			
Operating Hours	18/7			24/7				24/7			
Haze Level (%)	4			5 ~ 10				≥ 5 ± 3			
Hardness [H]	7			6				7			
Touch Technology	Infrared			PCAP				InGlass™ M3			
Touch Points	20			20				20			
Input Method	Finger, Stylus, Gloves			Finger, Conductive Passive Stylus, Thin Gloves				Finger, Stylus, Gloves			
Packaged pen	—			—				2x Passive Stylus (2mm)			
Windows Ink	—			—				●			
Palm Rejection	—			—				●			
Pressure Sensitivity	—			—				—			
Connectivity	2x HDMI, 1x DP, 1x USB-A			2x HDMI, 1x DP, 1x USB-A				2x HDMI, 1x DP, 1x USB-A, 1x USB-B (Touch)		2x DP, 2x HDMI, 2x USB-A, 1x USB-B, 1x USB-B (Touch), 1x HDMI OUT, 1x DP OUT	
Slot-in Option	Intel SDM; RPi Compute Module 4			Intel SDM; RPi Compute Module 4				Intel SDM; RPi Compute Module 4			
Embedded SoC	—			—				—			
Packaged Software	—			—				FlatFrog Board for Rooms (1 year)			
Power Consumption Eco (shipping) [W]	80	85	120	80	80	110	120	110	110	205	320
Dimensions (W x H x D) [mm]	991 x 579.2 x 85.6	1146.4 x 667 x 85.7	1259.8 x 730.4 x 85.4	1003 x 595 x 74	1140 x 670 x 65	1276 x 747 x 68	1493 x 871 x 69	1284.5 x 757.3 x 70.9	1501.3 x 879 x 73.2	1724.6 x 1003 x 93.4	1972 x 1142 x 91.5
Weight [kg]	27.4	33.8	40.9	24.8	30.3	36.4	51.1	38.5	53.5	62.0	76.0
VESA Mounting [mm]	200 x 200	400 x 400	400 x 400	300 x 300			400 x 400	300 x 300	400 x 400	600 x 400	
Bezel Width T-B / L-R [mm]	25			Flush, bezel-free design				18.5			
Integrated Speakers	2x 10 W			2x 10 W				2x 10 W			
Integrated Sensors	Temperature			Temperature				Temperature			
NaviSet	●			●				●			

WD Series | Windows Collaboration Displays

	WD551			WD551
Order Code	60005140	Connectivity		1x HDMI, 2x USB-C, 2x USB-A, 1x USB-B (Touch)
Panel Technology	IPS / Direct LED	Slot-in Option		—
Screen Size [inch / cm]	55 / 138.78	Embedded SoC		—
Brightness w/o glass [cd/m2]	450	Packaged Software		—
Supported Orientation	Landscape	Power Consumption Eco (shipping) [W]		155
Operating Hours	16/7			
Haze Level (%)	4 ~ 10	Dimensions (W x H x D) [mm]		1266 x 856.7 x 85.1
Hardness [H]	7	Weight [kg]		31.2
Bonding Technology	Optical Bonding	VESA Mounting [mm]		400 x 200
Touch Technology	PCAP	Bezel Width T-B / L-R [mm]		4.3 (L/R); 29.9 (T); 45.5 (B)
Touch Points	20	Front Bezel Buttons		Stand-by, Windows, Inputs, Volume, Mute
Input Method	Finger, Active Stylus	Integrated Speakers		2x 12 W (Subwoofer 15W)
Packaged pen	2x Active Stylus	Integrated Sensors		Ambient Light, Presence, Temperature, Humidity, Air Quality
Windows Ink	●	NaviSet		—
Palm Rejection	—	Microsoft Teams		●
Pressure Sensitivity	—	Microsoft Azure		●

Computing/Slot-In Options | Compatibility

Model	Android SoC	RPi CM4 SoC (MPi4 Kit)	Computing Modules (Intel CPU)		Interface Boards	
			OPS form factor	SDM form factor	SDM HDBaseT	SDM 12G SDI
Large Format Displays						
ME431 IR-2	-	●	-	●	●	●
ME501 IR-2	-	●	-	●	●	●
ME551 IR-2	-	●	-	●	●	●
ME432	●	-	-	-	-	-
ME502	●	-	-	-	-	-
ME552	●	-	-	-	-	-
ME652	●	-	-	-	-	-
M321 (PG-2)	-	-	-	-	-	-
M431 (PG-2, PCAP)	-	●	-	●	●	●
M491 (PG-2, PCAP)	-	●	-	●	●	●
M551 (PG-2, PCAP, IGB)	-	●	-	●	●	●
M651 (PG-2, PCAP, IGB)	-	●	-	●	●	●
M751 (PG-2, IGB)	-	●	-	●	●	●
M861 (PG-2, IGB)	-	●	-	●	●	●
M981 (PG-2)	-	●	-	●	●	●
P435 (PG-2)	-	●	-	●	●	●
P495 (PG-2)	-	●	-	●	●	●
P555 (PG-2)	-	●	-	●	●	●
UN552 / UN552V	-	-	●	-	via adapter SB-12AM	via adapter SB-12AM
UN552S / UN552VS	-	-	●	-	via adapter SB-12AM	via adapter SB-12AM
PN-LC652	●	-	●	-	via adapter SB-12AM	via adapter SB-12AM
PN-LC752	●	-	●	-	via adapter SB-12AM	via adapter SB-12AM
PN-LC752	●	-	●	-	via adapter SB-12AM	via adapter SB-12AM
PN-L652B	●	-	●	-	via adapter SB-12AM	via adapter SB-12AM
PN-L752B	●	-	●	-	via adapter SB-12AM	via adapter SB-12AM
PN-L862B	●	-	●	-	via adapter SB-12AM	via adapter SB-12AM
PN-LA652	-	-	-	●	●	●
PN-LA752	-	-	-	●	●	●
PN-LA862	-	-	-	●	●	●
Projectors						
PX1004UL	-	-	●	-	-	-
PH350QL	-	-	●	-	-	-

Display Model	Built-in speakers	External Speaker	Soundbar PN-ZCMS1 (100016015)	High-End-Speakers rear-mount SP-RM3 (100015517)	High-End-Speakers rear-mount SP-RM3a (100015612)
E328	✓		-	-	-
E438	✓		-	-	●
E498	✓		-	-	●
E558	✓		-	-	●
E658	✓		-	-	●
E758	✓		-	-	●
E868	✓		-	-	●
E988	✓		●*	-	●
ME431 IR-2	✓		-	-	🟡
ME501 IR-2	✓		-*	-	●
ME551 IR-2	✓		-*	-	●
ME432	✓		●*	-	●
ME502	✓		●	-	●
ME552	✓		●	-	●
ME652	✓		-	-	●
M321 (PG-2)	✓		-	-	-
M431 (PG-2, PCAP)	✓		-	-	🟡
M491 (PG-2, PCAP)	✓		-	-	●
M551 (PG-2, PCAP, IGB)	✓	Compatibility	-	-	●
M651 (PG-2, PCAP, IGB)	✓		-	-	●
M751 (IGB)	✓		-*	-	●
M861 (IGB)	✓		-	-	●
M981 (PG-2)	✓		●	●	-
P435 (PG-2)*	-		-	●	-
P495 (PG-2)*	-		-	●	-
P555 (PG-2)*	-		-	●	-
UN552 / UN552V	-		-	●	-
UN552S / UN552VS	-		-	●	-
PN-LC652	-		●	-	-
PN-LC752	-		●	-	-
PN-LC862	-		●	-	-
PN-L652B	-		●	-	-
PN-L752B	-		●*	-	-
PN-L862B	-		●*	-	-
PN-LA652	✓		●*	-	-
PN-LA752	✓		●	-	-
PN-LA862	✓		●	-	-

Stands

Display Model	ST-43M (100015620)	ST-551 (100015324)	ST-65M (100012828)	ST-801 (100013328)	ST-32E2 (100013911)	ST-55E (100014601)	ST-32M (100015935)
E328	-	-	-	-	●	-	-
E438	-	-	-	-	●	-	-
E498	-	-	-	-	●	-	-
E558	-	-	-	-	-	●	-
E658	-	-	-	-	-	●	-
E758	-	-	-	●	-	-	-
E868	-	-	-	●	-	-	-
E868	-	-	-	●	-	-	-
ME431 IR-2	●	-	-	-	-	-	-
ME501 IR-2	●	-	-	-	-	-	-
ME551 IR-2	●	-	-	-	-	-	-
ME432	●	-	-	-	-	-	-
ME502	●	-	-	-	-	-	-
ME552	●	-	-	-	-	-	-
ME652	-	-	●	-	-	-	-
M321 (PG-2)	-	-	-	-	-	-	●
M431 (PG-2)	●	-	-	-	-	-	-
M491 (PG-2)	●	-	-	-	-	-	-
M551 (PG-2)	●	-	-	-	-	-	-
M651 (PG-2)	-	-	●	-	-	-	-
M751 (PG-2, IGB)	-	-	-	●	-	-	-
M861 (PG-2, IGB)	-	-	-	●	-	-	-
M981 (PG-2)	-	-	-	●	-	-	-
P435 (PG-2)*	●	-	-	-	-	-	-
P495 (PG-2)*	●	-	-	-	-	-	-
P555 (PG-2)*	●	-	-	-	-	-	-
UN552 / UN552V	-	●	-	-	-	-	-
UN552S / UN552VS	-	●	-	-	-	-	-

* optional bracket available to mount PN-ZCMS1 on top of display

● **Perfect Compatibility**

🟡 **Compatible - speakers might bulge from the back surface. It might also require an additional mounting bracket - Please refer to the respective Product Datasheet for more details**

- **not Compatible**

E Series | Commercial Enterprise

MultiSync® Model	E172M	E224F	E244F	E274F	E244FL	E274FL
Order Code	60003582 (BK) 60003581 (WH)	60005828 (BK) 60005842 (WH)	60005829 (BK) 60005843 (WH)	60005830 (BK) 60005844 (WH)	60005866 (BK) 60005867 (WH	60005868 (BK) 60005870 (WH)
Panel Technology	TN / W-LED	VA TFT with W-LED backlight	VA TFT with W-LED backlight	VA TFT with W-LED backlight	VA TFT with W-LED backlight	VA TFT with W-LED backlight
Screen Size [inch / cm]	17 / 43	22 / 55	24 / 60	27 / 69	22 / 55	27 / 69
Aspect Ratio	5:4	16:9	16:9	16:9	16:9	16:9
Brightness (typ.) [cd/m²]	250	250	250	250	250	250
Contrast (typ.)	1000:1	1000:1	1000:1	1000:1	1000:1	1000:1
Viewing Angle Hor / Vert [°]	170 / 160	178 / 178	178 / 178	178 / 178	178 / 178	178 / 178
Response Time (typ. G to G) [ms]	5	6	6	6	6	6
Colours [Mio.]	16.77	16.77	16.77	16.77	16.77	16.77
Resolution at 60 Hz	1280 x 1024	1920 x 1080 at 60 Hz	1920 x 1080 at 60 Hz	1920 x 1080	1920 x 1080 at 60 Hz	1920 x 1080
Connectivity	VGA, DP, HDMI	DP, HDMI, D-sub 15 pin	DP, HDMI, D-sub 15 pin	DP, HDMI, D-sub 15 pin	LAN, USB Type-C, DP, HDMI, USB3.1 (2 down, 1 up)	
Power ON (factory setting) [W]	10	16	21	24	16	24
Power Saving Mode [W]	0.4	0.22	0.22	0.25	0.22	0.25
Internal Power Supply	●	●	●	●	●	●
Height Adjustable Stand [mm]	50	120	120	120	120	120
Other Ergonomics	tilt	tilt, swivel, rotate, low blue light, flicker free	tilt, swivel, rotate, low blue light, flicker free	tilt, swivel, rotate, low blue light, flicker free	tilt, swivel, rotate, low blue light, flicker free	tilt, swivel, rotate, low blue light, flicker free
Bezel Width T - B / L - R [mm]	17.5 / 14.2	1*, 16 (top andbottom)	1*, 16 (top andbottom)	16 ; 1	1*, 16 (top andbottom)	16 ; 1
Dimensions with stand (W x H x D) [mm]	368 x 359-409 x 230	610.4 x 376.9 - 506.9 x 282.6	610.4 x 376.9 - 506.9 x 282.6	610.4 x 376.9 - 506.9 x 282.6	610.4 x 376.9 - 506.9 x 282.6	610.4 x 376.9 - 506.9 x 282.6
Weight with stand [kg]	4.2	8.2	8.2	8.2	8.2	8.2
NaviSet	●	-	-	-	-	-

EA Series | Commercial Enterprise

MultiSync® Model	EA242WU	EA241WU	EA241F	EA242F	EA271F	EA272F	EA271Q	EA271U
Order Code	60004855 (BK) 60005573(WH)	60004676 (BK), 60004677 (WH)	60004786 (BK) 60004787 (WH)	60005032 (BK) 60005246 (WH)	60004304 (BK) 60004634 (WH)	60005033 (BK) 60005247 (WH)	60004303 (BK) 60004650 (WH)	60004302 (BK) 60004691 (WH)
Panel Technology	IPS TFT with W-LED backlight	LED IPS TFT / W-LED	LED IPS TFT / W-LED	LED IPS TFT / W-LED	AH-IPS / W - LED	AH-IPS / W - LED	PLS / W-LED	IPS / W-LED
Screen Size [inch / cm]	24 / 61	24 / 61	24 / 61	24 / 61	27 / 69	27 / 69	27 / 68	27 / 68
Aspect Ratio	16:10	16:10	16:9	16:9	16:9	16:9	16:9	16:9
Brightness (typ.) [cd/m²]	300	300	250	250	250	250	350	350
Contrast (typ.)	1000:1 (5000:1 dynamic contrast ratio)	1000:1	1000:1	1000:1	1000:1	1000:1	1000:1	1300:1
Viewing Angle Hor / Vert [°]	178 / 178	178 / 178	178 / 178	178 / 178	178 / 178	178 / 178	178 / 178	178 / 178
Response Time (typ. G to G) [ms]	6	5	5	5	6	6	6	5
Colours [Mio.]	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77
Resolution at 60 Hz	1920 x 1080	1920 x 1200	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	2560 x 1440	3840 x 2160
Connectivity	DP, DP out, HDMI, USB Type C, USB 3.1 (2 down, 1 up)	DVI-D, DP, HDMI, VGA, USB. 3.1 (3 down, 1 up)	DVI-D, DP, HDMI, VGA, USB. 3.1 (3 down, 1 up)	USB Type C, DP, DP out, HDMI, USB 3.1 (3 down, 2 up), D-Sub 15 pin	DVI-D, HDMI, USB 3.1 (3 down, 1 up), VGA	USB Type C, DP, DP out, HDMI, USB 3.1 (3 down, 2 up), VGA	USB Type C, DVI-D, DP, HDMI, USB. 3.1 (3 down, 1 up)	USB Type C, DP, HDMI, USB 3.1 (3 down, 1 up)
Power ON (factory setting) [W]	21	20	15	19	17	19	37	38
Power Saving Mode [W]	0.3	0.3	0.31	0.3	0.5	0.3	0.35	0.33
Internal Power Supply	●	●	●	●	●	●	●	●
Height Adjustable Stand [mm]	150	150	150	150	150	150	150	150
Other Ergonomics	tilt, swivel, rotate	tilt, swivel, rotate, low blue light, flicker free		tilt, swivel, rotate, low blue light, flicker free		tilt, swivel, rotate, low blue light, flicker free		
Bezel Width T - B / L - R [mm]	0.8*	0.8*	0.8*	0.8*	1*	0.8*	1*	1*
Dimensions with stand (W x H x D) [mm]	531 x 365 x 250	532 x 365-515 x 250	538 x 337-487 x 250	538 x 337-487 x 250	610 x 377-527 x 250	610 x 377-527 x 250	612 x 378-528 x 250	612 x 378-528 x 250
Weight with stand [kg]	6.7	6.7	6.1	7	7.6	9.2	9.1	9.1
NaviSet	●	●	●	●	●	●	●	●

ME Series | Desktop

	ME403U
Order Code	60005221
Projection Technology	3LCD
Aspect Ratio	16:10
Native Resolution	1920 x 1200 (WUXGA)
Brightness [Lumen]	4000
Contrast Ratio	16000:1
Projection Factor	1.2 – 2.1 : 1
Projection Distance [m]	0.75 – 12.88
Projection Angle [°]	6.6 - 11.1
Screen Size (cm / inch)	min. 76 / 30 max. 762 / 300
Zoom / Focus	x1.6 / Manual
Connectivity	2 HDMI, RGB: in/Out, Video, LAN, PC Control, USB B, Audio: 2 In, 1 Out
Power [W AC] Hi-Bright / Normal / ECO / Power-Saving	295 / 207 / 0.5
Lamp Life Normal / ECO [hrs.]	10000 /20000
Dimensions (W x H x D) [mm]	345 x 104.6 x 261
Weight [kg]	3.5
Speakers (mono) [W]	1 x 16
NaviSet	●

PE Series | Professional

	PE506UL
Ordercode	60005463
Projection Technology	3LCD
Aspect Ratio	16:10
Native Resolution	1920 x 1200 (WUXGA)
Brightness [Lumen]	5200
Contrast Ratio	3000000:1
Projection Factor	1.2 - 2 : 1
Projection Distance [m]	0.75 - 13
Screen Size (cm / inch)	min.: 76.2 / 30 max.: 762 / 300
Zoom / Focus	Manual
Connectivity	Mini D-sub 15 pin In/Out, 2x HDMI, LAN, USB Type A, USB Type B
Power [W AC] Hi-Bright / Normal / ECO / Power-Saving	335 / 177 / 2 / 0.5
Lamp Power: [W / UHP AC]	Laser Phosphor
Lamp Life Normal / ECO [hrs.]	20000
Dimensions (W x H x D) [mm]	405 x 137 x 358
Weight [kg]	7.95
Speakers [W]	1 x 16 (mono)
NaviSet	●

P Series | Professional / PV Series | Professional

	P554U	P547UL	P627UL	PV710UL	PV800UL
Order Code	60004329	60005761	60005762	60005575 (W) 60005845 (B)	60005578 (W) 60005601 (B)
Projection Technology	3LCD	3LCD	3LCD	3LCD	3LCD
Aspect Ratio	16:10	16:10	16:10	16:10	16:10
Resolution	1920 x 1200 (WUXGA)	1920 x 1200 (WUXGA)	1920 x 1200 (WUXGA)	1920 x 1200 (WUXGA)	
Brightness [Lumen]	5300	5400	6200	7100	8000
Brightness in ECO Mode [approx. %]	80	60	60	90	90
Contrast Ratio	20000:1	500000:1	600000:1	3000000:1	3000000:1
Lens [mm]	F= 1.5 - 2.08 f= 17.2 - 27.7	F= 1.5 - 2.1, f= 17.2 - 27.7	F= 1.5 - 2.1, f= 17.2 - 27.7	5 manual lens options; 5 motorized lens options	
Projection Factor (std. option)	1.2 - 2.0:1	1.3 - 2.2:1	1.3 - 2.2:1	depending on lens selection (std. option NP13ZL at 1.46-2.95:1)	
Projection Distance [m]	0.8 - 12.9	0.8 - 12.9	0.8 - 12.9	0.7 - 50.9	0.7 - 50.9
Screen Size (cm / inch)	min.: 76 / 30 max.: 762 / 300	min.: 76 / 30 max.: 762 / 300	min.: 76 / 30 max.: 762 / 300	min.: 101.6 / 40 max.: 1270 / 500	min.: 101.6 / 40 max.: 1270 / 500
Lens Adjustment	Manual	Manual	Manual	Motorized and manual (depending on lens)	
Connectivity	2 HDMI, HDBaseT, Video, USB A, USB B (for Service), PC Control, D-Sub 15-pin, LAN, Audio: 2 In, 1 Out	Mini D-sub 15 pin, HD-BaseT, 2x HDMI, LAN, Optional WLAN, USB Type B, 2x USB Type A		HD-BaseT, HDMI, LAN, USB Type A	
Power [W AC] Standard / ECO / Power-Saving	431 / 277 / 0.17	293 / 220 / 1.6 / 0.3	318 / 237 / 1.6 / 0.3	434 / 394 / 2.0 / 0.5	462 / 424 / 2.0 / 0.5
Lamp Power: [W / UHP AC]	330	Laser Phosphor	Laser Phosphor	Laser Phosphor	Laser Phosphor
Lamp Life: Normal / ECO [hrs.]	4000 / 8000	20'000	20'000	20000	20000
Dimensions (W x H x D) [mm]	420 x 133 x 322	480 x 122 x 407	480 x 122 x 407	407 x 499 x 164	407 x 499 x 164
Weight [kg]	4.8	9.7	4.7	11.2	11.2
Speakers (mono) [W]	1 x 20	1 x 20	1 x 20	-	-
Education Warranty Available	●	-	-	●	●
NaviSet	●	●	●	●	●

PA Series | Professional Advanced

	PA653U	PA803U	PA804UL	PA1004UL	PA1505UL	PA1705UL
Order Code	60004120	60004121	60005161 (BK) 60005035 (WH)	60005160 (BK) 60004512 (WH)	60005928 (BK) 60005971 (WH)	60005932 (BK) 60005972 (WH)
Projection Technology	3LCD	3LCD	3LCD	3LCD	3LCD	3LCD
Aspect Ratio	16:10	16:10	16:10	16:10	16:10	16:10
Native Resolution	1920 x 1200 (WUXGA)	1920 x 1200 (WUXGA)	1920 x 1200 (WUXGA)	1920 x 1200 (WUXGA)	1920 x 1200 (WUXGA)	1920 x 1200 (WUXGA)
Brightness [Lumen]	6500	8000	8200	10000	14000	16000
Brightness in ECO Mode [approx. %]	80	80	80	80	70 - 90	70 - 90
Contrast Ratio	8000:1	10000:1	3000000:1	3000000:1	3000000:1	3000000:1
Lens [mm]	optional	optional	optional	optional	optional	optional
Lens: optional bayonet lenses	9	9	9	9	6	6
Projection Factor (std. option)	1.3-3.02:1 (NP41ZL)	1.3-3.02:1 (NP41ZL)	1.3-3.02:1 (NP41ZL)	1.3-3.02:1 (NP41ZL)	1.25-2.01:1 (NP54ZL)	1.25-2.01:1 (NP54ZL)
Projection Distance [m]	0.7 - 50.9	0.7 – 50.9	0.7 - 50.9	0.7 - 50.9	0.68 – 80.77	0.68 – 80.77
Screen Size (cm / inch)	1270 / 500	1270 / 500	1270 / 500	1270 / 500	1270 / 500	1270 / 500
Lens Adjustment	Manual / Motorised	Manual / Motorized	Manual / Motorised	Manual / Motorised	Motorized	Motorized
Connectivity	HDMI: 2 In, DP, D-Sub 15-pin, LAN, USB A, HDBaseT In/ Out, Audio: 1 In, 1 Out, 3D Sync, Remote In		HDMI: 2 In, DP, D-Sub 15-pin, LAN, USB A, HDBaseT In/ Out, Audio: 1 In, 1 Out, 3D Sync, Remote In		HDMI 2 In, 3G-SDI, HDBaseT In/Out, LAN, USB Type A, Audio: 2 HDMI In, 1 HDBaseT In, 1 3.5mm Mini Jack Out	
Power [W AC] Standard / ECO / Power-Saving	482 / 376 / 0.26	542 / 376 / 0.26	615 / 350 / 0.28	725 / 395 / 0.28	925 / 825 / 0.5	995 / 825 / 0.5
Lamp Power: Normal / ECO [W / UHP AC]	370 / 280	420 / 280	Laser Phosphor	Laser Phosphor	Laser Phosphor	Laser Phosphor
Lamp Life: Hi Br / Normal / ECO [hrs.]	- / 4000 / 5000	- / 3000 / 5000	20000	20000	20000	20000
Dimensions (W x H x D) [mm]	499 x 163.7 x 406	499 x 163.7 x 406	599 x 208 x 490	599 x 208 x 490	599 x 238 x 490	599 x 238 x 490
Weight [kg]	10.2	10.2	24.1	24.4	28.7	28.7
NaviSet	●	●	●	●	●	●
ProAssist	-	-	●	●	●	●

PX Series | Professional Extreme

PH Series | High-End

	PX1004UL	PX2201UL	PH3501QL
Order Code	60004235 (BK), 60004077 (WH)	60005581	60004622
Projection Technology	1-chip DLP™	1-chip DLP™	3-chip DLP™
Aspect Ratio	16:10	16:10	17:9
Native Resolution	1920 x 1200 (WUXGA)	1920 x 1200 (WUXGA)	4096 x 2160 (4K)
Brightness [Lumen]	10000	20500	35000
Brightness in ECO Mode [approx. %]	80	80	80
Contrast Ratio (DB™ = with DynamicBlack™)	10000:1	10000:1	30000:1
Lens [mm]	optional	H:-15.0,+15.0, V:-50.0,+50.0	optional
Lens: optional bayonet lenses (LM = with lens memory)	8 (6 with LM)	5 optional bayonet lenses	7
Projection Factor (std. option)	depending on lens selection	depending on lens selection	depending on lens selection
Projection Distance [m]	0.86 - 118	0.81 - 84	2.0 - 50.0
Screen Size (cm / inch)	Min: 100 / 40 Max: 1270 / 500	Min: 100 / 40 Max: 1270 / 500	min.: 254 / 100 max.: 2540 / 1000
Lens Adjustment	Motorised	Motorised	Motorised
Connectivity	HD-BaseT, HDMI In/Out, DP, RGB In, 5BNC (incl. Video / S-Video), LAN, optional WLAN, USB A, PC Control, 3D Sync Out, Remote In, OPS slot	5BNC, Mini D-sub 15 pin In/Out, 3G-SDI In/Out, DP, DVI-D, HD-BaseT, 2x HDMI, LAN	HDBaseT, 2 DP, 2 HDMI In, LAN, USB Typ A, PC Control, 3D Sync, 4 x 3G-SDI, Remote-In, OPS slot
Power [W AC] Standard / ECO	1165 / 605	1775 / 1343	4705
Lamp Power: Normal /ECO [W / UHP AC]	Laser Phosphor	RB Laser	RB Laser
Lamp Life: Hi Br / Normal / ECO [hrs.]	20000	20000	20000
Dimensions (W x H x D) [mm]	500 x 211 x 577	530 x 248 x 745	697 x 455 x 1180
Weight [kg]	28	51	169
NaviSet	●	●	●
ProAssist	●	●	-

Digital Cinema Projectors

	NC1000C	NC603L	NC1202L	NC1402L	NC1503L
Order Code	60004093	60005938	60005042	60005041	60005937
DMD	DC Chip DLP Technology	DC Chip DLP Technology	DC Chip DLP Technology	DC Chip DLP Technology	DC Chip DLP Technology
Screen Sizes (m)	up to 10.6	up to 11	up to 12	up to 14	up to 17
Light Source	400 W x 2 NSH Lamps	Laser Phosphor	Laser Phosphor	Laser Phosphor	RB Laser
Contrast Ratio (full on/off)	> 1600:1	> 1650:1	> 1600:1	> 1600:1	> 1600:1
DMD Specifications	2K, 0.69" DC2K	2K, 0.69" DC2K	2K, 0.69" DC2K	2K, 0.69" DC2K	2K, 0.69" DC2K
Primary Lenses	1.2 to 1.72:1 zoom; 1.33 to 2.1:1 zoom; 1.62 to 2.7:1 zoom; 2.09 to 3.9:1 zoom; 4.07 to 6.34:1 zoom	1.2-1.72:1 zoom; 1.33-2.1:1 zoom; 1.62-2.7:1 zoom; 2.09-3.9:1 zoom	1.2 to 1.72:1 zoom; 1.33 to 2.1:1 zoom; 1.62 to 2.7:1 zoom; 2.09 to 3.9:1 zoom; 4.07 to 6.34:1 zoom	1.2 to 1.72:1 zoom; 1.33 to 2.1:1 zoom; 1.62 to 2.7:1 zoom; 2.09 to 3.9:1 zoom; 4.07 to 6.34:1 zoom	1.2-1.72:1 zoom; 1.33-2.1:1 zoom; 1.62-2.7:1 zoom; 2.09-3.9:1 zoom
Dimension (W x H x D) [mm]	621 x 314 x 798	680 x 333 x 860	700 x 288 x 812	700 x 288 x 812	700 x 288 x 812
Cooling Method	No Air Duct	Circulating air cooling system	Liquid: Air and liquid cooling inside	Liquid: Air and liquid cooling inside	Liquid: Air and liquid cooling inside

	NC1803ML	NC2003ML	NC2403ML	NC1843ML	NC2043ML
Order Code	40001312	40001313	40001314	40001394	40001393
DMD	DC Chip DLP Technology	DC Chip DLP Technology	DC Chip DLP Technology	DC Chip DLP Technology	DC Chip DLP Technology
Screen Sizes (m)	up to 19	up to 20	up to 22	up to 19	up to 20
Light Source	Laser Phosphor	RB Laser	RB Laser	Laser Phosphor	RB Laser
Contrast Ratio (full on/off)	> 2000:1	> 2000:1	> 2000:1	> 2000:1	> 2000:1
DMD Specifications	Chip: 0.98" DC2K	Chip: 0.98" DC2K	Chip: 0.98" DC2K	Chip: 0.98" TRP 4K DLP	Chip: 0.98" TRP 4K DLP
Primary Lenses	1.2 to 1.81:1 zoom; 1.4 to 2.05:1 zoom; 1.59 to 2.53: 1 zoom; 1.9 to 3.25: 1 zoom; 2.4 to 3.9: 1 zoom; 3.9 to 6.52: 1 zoom	1.2 to 1.81:1 zoom; 1.4 to 2.05:1 zoom; 1.59 to 2.53: 1 zoom; 1.9 to 3.25: 1 zoom; 2.4 to 3.9: 1 zoom; 3.9 to 6.52: 1 zoom	1.2 to 1.81:1 zoom; 1.4 to 2.05:1 zoom; 1.59 to 2.53: 1 zoom; 1.9 to 3.25: 1 zoom; 2.4 to 3.9: 1 zoom; 3.9 to 6.52: 1 zoom	1.59 to 2.53:1 zoom; 2.4 to 3.9:1 zoom; 3.9 to 6.52:1 zoom; 1.9 to 3.25: 1 zoom; 1.4 to 2.05:1 zoom; 1.2 to 1.81:1 zoom	1.59 to 2.53:1 zoom; 2.4 to 3.9:1 zoom; 3.9 to 6.52:1 zoom; 1.9 to 3.25: 1 zoom; 1.4 to 2.05:1 zoom; 1.2 to 1.81:1 zoom
Dimension (W x H x D) [mm]	697 x 510 x 1337	697 x 510 x 1337	697 x 510 x 1337	697 x 509.5 x 1095	697 x 509.5 x 1095
Cooling Method	Circulating air cooling system; Liquid Cooling inside	Circulating air cooling system; Liquid Cooling inside	Circulating air cooling system; Liquid Cooling inside	Circulating air cooling system; Liquid Cooling inside	Circulating air cooling system; Liquid Cooling inside

	NC2443ML	NC2041L	NC3541L	NC3540LS
Order Code	40001392	60004090	60004089	60004087
DMD	DC Chip DLP Technology	DC Chip DLP Technology	DC Chip DLP Technology	DC Chip DLP Technology
Screen Sizes (m)	up to 22	up to 20	up to 32	up to 28
Light Source	RB Laser	RB Laser	RB Laser	RGB Laser
Contrast Ratio (full on/off)	> 2000:1	> 2000:1	> 2000:1	> 2000:1
DMD Specifications	Chip: 0.98" TRP 4K DLP	4K, 1.38" DC4K	4K, 1.38" DC4K	4K, 1.38" DC4K
Primary Lenses	1.59 to 2.53:1 zoom; 2.4 to 3.9:1 zoom; 3.9 to 6.52:1 zoom; 1.9 to 3.25: 1 zoom; 1.4 to 2.05:1 zoom; 1.2 to 1.81:1 zoom	1.13 to 1.66:1 zoom; 1.3 to 1.85:1 zoom; 1.45 to 2.17:1 zoom; 1.63 to 2.71:1 zoom; 1.95 to 3.26:1 zoom; 2.71 to 3.89:1 zoom	1.13 to 1.66:1 zoom; 1.3 to 1.85:1 zoom; 1.45 to 2.17:1 zoom; 1.63 to 2.71:1 zoom; 1.95 to 3.26:1 zoom; 2.71 to 3.89:1 zoom	1.13 to 1.66:1 zoom; 1.3 to 1.85:1 zoom; 1.44 to 2.16:1 zoom; 1.63 to 2.71:1 zoom; 1.95 to 3.26:1 zoom; 2.71 to 3.89:1 zoom
Dimension (W x H x D) [mm]	697 x 510 x 1,095	697 x 455 x 1180	697 x 455 x 1180	666 x 364 x 737
Cooling Method	Circulating air cooling system; Liquid Cooling inside	Liquid Cooling inside	Liquid Cooling inside, air cooling with dust-preventing electrostatic filter	Liquid Cooling inside, air cooling with dust-preventing electrostatic filter, external chiller