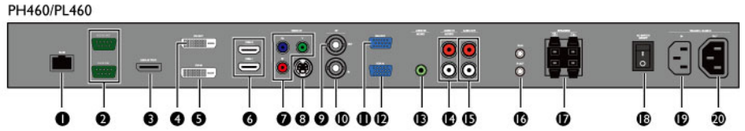
46"

46"

		PH460	PL460
Panel	Screen Sizez	46"	46"
	Type	PID	PID
	Light Source	D-LED	D-LED
	Active Area (mm)	1018.08(H) x 572.67(V)	1018.08(H) x 572.67(V)
	Resolution (pixels)	FHD 1920 x 1080 (16:9)	FHD 1920 x 1080 (16:9)
	Brightness (typ.)	700 cd/m²	450 cd/m²
	Native Contrast Ratio (typ.)	4000:1	3500:1
	Response Time (G-to-G)	6.5ms	6.5ms
	Pixel Pitch (H x W)	0.53025 (H) x 0.53025 (W) mm	0.53025 (H) x 0.53025 (W) mm
	Frame Rate	60Hz	60Hz
	Viewing Angle (H / V)	178° / 178°	178° / 178°
	Color Gamut (x% NTSC)	72%	72%
	Color Depth	10-bit (8-bit+FRC), 1073.7M	10-bit (8-bit+FRC), 1073.7M
I/O Connection	Power (AC) Input / Ouput	O / O	O / O
	Power Switch	O	O
	VGA Input / Output	O / O	O / O
	DVI Input / Output	O / O	O / O
	HDMI Input / Output	O / X	O / X
	Composite Video In / Out (BNC)	O / O	O / O
	Component In (YPbPr, RCA)	O	O
	S-Video In / Out	O / X	O / X
	DisplayPort Input	O	O
	USB Player (Photo,Video)	X	X
	RS232 Input / Output	O / O	O / O
	OPS Slot	X	X
	RJ45 Port	O	O
Audio	Audio W (Amp)	12W+12W	12W+12W
	Internal Speaker	12W x 2	12W x 2
Power	Power Supply	AC 100~240V, 50 / 60 Hz	AC 100~240V, 50 / 60 Hz
	Power Consumption (Maximun)	<300W	<155W
	Power Consumption (Standby)	<0.5W	<0.5W
	Power Consumption (Off)	<0.5W	<0.5W
Environment	Operation Temp (dC)	0°C ~ 40°C	0°C ~ 40°C
	Storage Temp (dC)	-20°C ~ 60°C	-20°C ~ 60°C
	Usage (hrs / days)	24 / 7	24 / 7
Mechanical	Weight (without / with packing)	25 / 31kg	25 / 31kg
	Dimension (W x H x D)	1024 x 578 x 107 mm	1024 x 578 x 107 mm
	Bezel Width (T / B / L / R)	3.5 / 2.1 / 3.5 / 2.1mm	3.5 / 2.1 / 3.5 / 2.1mm
	VESA Wall Mounting (mm)	400 x 400 (4 Holes)	400 x 400 (4 Holes)
Package / Accessory	Remote Control	O	O
	PWR Cord (by region)	O	O
	VGA Cable	O	O
	Quick Start Guide	O	O
	User's Manual Electronic File	O	O
	Stand	X (optional, on VESA mount)	X (optional, on VESA mount)
Features	● Image Setting ● Source / Volume Control ● Analog Daisy Chain ● Digital Daisy Chain ● RS232 Control Daisy Chain ● ID Setting ● Sharpness Enhancement ● Proof of Image Retention ● Diming Control (Adaptive Contrast) ● Picture in Picture (PiP) ● Picture by Picture (PbP) ● DVI-HDCP ● HDMI-HDCP ● De-Interlacing / Comb Filter ● 10-bit Color Processing ● Build-in Video Wall Support ● Scheduling ● Ambient Light Sensor ● Total Turn-On Time ● Diagnostic DC voltage (12v / 5v) ● Internal Temperature Sensor ● CEC Control		

PH460/PL460



1. RJ45
2. RS232C IN/OUT
3. DISPLAY PORT
4. DVI-OUT
5. DVI-IN
6. HDMI-1/HDMI-2
7. VIDEO IN(YPbPr)
8. VIDEO IN(S-VIDEO)
9. AV OUT
10. AV IN
11. VGA OUT
12. VGA IN
13. AUDIO IN(AUDIO1)
14. AUDIO IN(AUDIO2)
15. AUDIO OUT(R/L)
16. IR-IN/IR-OUT
17. SPEAKERS(R/L)
18. AC SWITCH ON/OFF
19. AC IN
20. AC OUT

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BenQ
Enjoyment Matters

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BenQ Digital Signage Display

The magnificent digital canvas for truly brilliant ideas.

BenQ
Enjoyment Matters

Why BenQ

Why BenQ

BenQ not only strives to provide the best-of-breed products in the consumer, professional and commercial categories, but also assures customers with services from its global network backed by synergy of partners behind the BenQ Group.

Group Synergy

The BenQ Group is a $20+ billion powerhouse comprised of independently run companies operating in over 30 countries across numerous industries with a combined workforce of over 100,000+ employees. Each Group member is a recognized leader in its own field, contributing to the BenQ Group's vast resources, broad R&D, and distinct strategic strengths. By leveraging each company's vertical specialization to create true scale across horizontal markets, the BenQ Group controls a highly efficient value chain with the unrivaled ability to deliver critical components and world-class solutions in the following industries: TFT-LCD, green energy, fine chemicals and advanced materials, lighting, IC design, precision components, system integration, branded business, and service. The Group is committed to profitable and sustainable businesses that share its long-standing vision of Bringing Enjoyment 'N' Quality to Life.

Environmental Vision

In addition to the product, the quality and the service, the BenQ Group also commits itself to all-aspect environment friendliness in terms of manufacturing and operation during the entire product lifecycle. Developing new greener products, technologies and business processes is our priority.

The comprehensive PID (Public Information Display) Series from BenQ is the new-generation solution for effective visual communications with your visitors and customers.

Advanced PID Panel

Unlike consumer-grade monitors, PID has been deliberately designed for public venues with longer service life, higher dependability and environment adaptability. Unique to BenQ, the advantages of PID are what your big ideas take to meet the customers.
Nevertheless, the BenQ PID Series is the choice that meets your digital signage needs in public information, retail and hospitality venues; and its low TCO*, solid quality and satisfactory performance are bound to empower your message and, ultimately, your business.

Outstanding Design

With a full range of distinctive, considerate features, the BenQ Digital Signage brings your staff better flexibility and versatility on deployment, configuration and management.
The all-digital DisplayPort video interface and OPS** in combination with MDA*** software allows easy management of both the displays and contents being delivered, while cross-display color calibration and super-narrow bezels guarantee perfect image quality for your audience.

*Total Cost of Ownership ** Intel's Open Pluggable Specification; SL461A only *** Multiple Display Administrator

Our Market

Retail

- **Merchandise/ Advertisement/ Menu Board :**
  Super Narrow Bezel (PH460/PL460); Mainstream (SL420/SL460/SL461A/SL550)
- **Show Window & Video-Wall :** Super Narrow Bezel (PH460/PL460)
- **Interactive Advertisement/ Promotion :** Interactive Touch (IL420/IL460/IL550/IL650)

Hotel

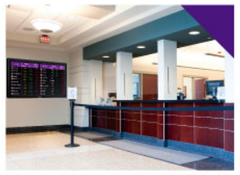
- **Lobby & Conference Room :**
  Super Narrow Bezel (PH460/PL460); Mainstream (SL420/SL460/SL461A/SL550)
- **Interactive Advertisement/ Promotion :** Interactive Touch (IL420/IL460/IL550/IL650)

Transportation

- **Terminal, Airport, Subway, Waiting Room, Platform :**
  Super Narrow Bezel (PH460/PL460) : Mainstream (SL420/SL460/SL461A/SL550)
- **Control Room :** Super Narrow Bezel (PH460/PL460)
- **Interactive Advertisement/ Promotion :** Interactive Touch (IL420/IL460/IL550/IL650)

Corporate

- **Lobby & Meeting Room :**
  Super Narrow Bezel (PH460/PL460); Mainstream (SL420/SL460/SL461A/SL550)
  Interactive Touch (IL420/IL460/IL550/IL650)
- **Control Room :** Super Narrow Bezel (PH460/PL460)



Banking

- **Lobby :**
  Super Narrow Bezel (PH460/PL460); Mainstream (SL420/SL460/SL461A/SL550)
- **Control Room :** Super Narrow Bezel (PH460/PL460)
- **Interactive Advertisement/ Promotion :** Interactive Touch (IL420/IL460/IL550/IL650)

Education

- **Restaurant, Administration Building Lobby, Dormitory, Computer and Information Networking Center, Conference Room, Library, Auditorium, Stadium :**
  Super Narrow Bezel (PH460/PL460); Mainstream (SL420/SL460/SL461A/SL550)
- **Interactive Auditorium / Classroom :** Interactive Touch (IL420/IL460/IL550/IL650)

Full Line Up

	Mainstream– SL series	Interactive Touch– IL series	Super Narrow Bezel– P series
42"	**SL420** •MDA •DisplayPort •RS232 / LAN Control •USB Playback	**IL420** •IR 6 Points Multi-Touch •RS232 / LAN Control •MDA •Portrait Mode •DisplayPort	
46"	**SL460** •MDA •DisplayPort •RS232 / LAN Control •USB Playback	**IL460** •IR 6 Points Multi-Touch •RS232 / LAN Control •MDA •Portrait Mode •DisplayPort	**PH460** •Brightness 700 nits •MDA •DisplayPort •Color Calibration •Super Narrow Bezel (A-A 5.6mm)
	SL461A •OPS •Digital Daisy Chain •DisplayPort		**PL460** •Brightness 450 nits •MDA •DisplayPort •Color Calibration •Super Narrow Bezel (A-A 5.6mm)
55"	**SL550** •MDA •DisplayPort •RS232 / LAN Control •USB Playback	**IL550** •IR 6 Points Multi-Touch •RS232 / LAN Control •MDA •Portrait Mode •DisplayPort	
65"		**IL650** •IR 2 Points Multi-Touch •RS232 / LAN Control •MDA •Portrait Mode •DisplayPort	

Mainstream Display – SL Series

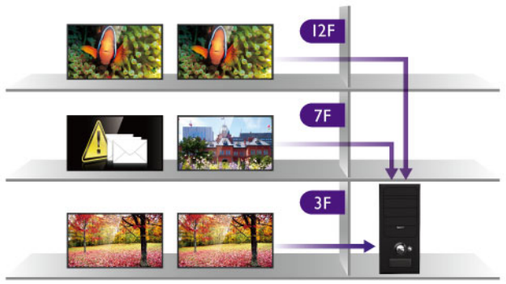
Eye Contacts at Work

The BenQ SL Series has been specifically designed for your single PID digital signage needs in convenient stores, shopping spaces or fast food places. Perfect for landscape or portrait modes, the dust-proof* SL Series displays are so durable that you can keep it on 24/7 for consistent message delivery to your customers.

*PID displays in the SL/P/IL ranges all comply with the JIS Z8901 environment-proof specifications.

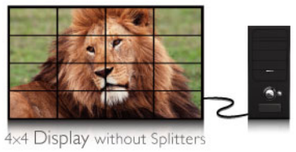
MDA

The MDA (Multiple Display Administrator) application controls up to 98 displays simultaneously through the local network or serial port; it also monitors the health of displays and coordinates a sequential startup to prevent power surges.
*Not available on SL 461A



Digital Daisy Chain (SL461A)

This feature allows you to deliver high-quality mirrored contents to different locations, or to build a huge multi-display, single-image video wall through one DVI port on the controller PC without the need for splitters.



4x4 Display without Splitters

DisplayPort

DisplayPort is a new standard for digital audio/video transmission. With the whopping 10.8Gbps bandwidth, the DisplayPort keeps your contents attractive, distortion-free in longer distances than conventional DVI and HDMI.

EZ Suite Software*

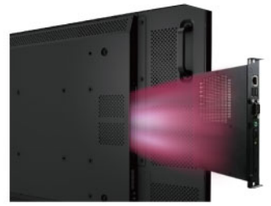
The EZ Suite software features USB Playback that plays media files from USB drives, USB Display that connects a PC to the display in mirror or extension mode via the USB interface as well as WiFi Display capable of playing videos from PC, iOS or Android devices.
*Available on selected models in certain markets. Not available on SL461A.

RS232 / LAN Control

BenQ SL Series supports remote administration via the built-in RJ45 Ethernet or the RS232 serial interface. Routine tasks such as OSD settings and firmware upgrades can be performed on the control server to the daisy-chained displays.

Open Pluggable Specification (SL461A)

Created by Intel, the OPS empowers digital signage displays with expandability, flexibility and upgradeability at lower costs. The interchangeable, future-proof OPS systems also enable scalable applications for individual customers and deployment scenarios.



Narrow Bezel*

The exceptionally narrow bezel of the SL line makes it a viable choice for basic video walls. Comparing to the 40mm bezel of conventional display, the SL line features bezels as thin as 15mm for virtually border-free images.
*Not available on SL420

24 / 7 Operation

The SL Series has an amazing average life of 50,000 hours – enough for several years of non-stop service. With the reliable industrial-class performance and sturdy build, the BenQ Digital Signage displays are in fact more economic then consumer models.

10-bit PID Panel*

The panel is capable of displaying 10-bit levels for each primary color, that's 1073.7-million colors in total. This helps producing smooth, rich images with no visible color banding for extremely vivid and effective contents.
*Not available on SL420

Ambient Light Sensor*

A sensor automatically adjusts screen brightness according to the lighting condition of the surrounding environment. Since the power usage adapts intelligently with the ambient light, the display can reduce energy consumption by 40% to 50%.
*Not available on SL461A

Anti-Image Retention

In commercial environments where images would stay for hours, image retention becomes a problem on consumer displays. PID panels designed for digital signage prevents the burned-in effect even after an extended period of usage.

PiP / PbP

The PiP/PbP feature displays contents from two independent video sources simultaneously for more convenience and flexibility. The PiP mode allows the sub picture to be resized or relocated for the best presentation.

Scheduling Management

The feature enables users to designate up to seven sets of on/off time for SL Series displays down to individual video input sources. This not only eliminates the need to switch displays on/off manually, but also cuts power bills with precise agendas.

Analog Daisy Chain

Analog Daisy Chaining is the easiest way to build a video wall. You can simply connect up to 9 displays through VGA cables without using splitters; the screens can show a mirrored image, or form a 3x3 configuration for an enlarged viewing area.

Interactive Touch Display – IL Series

Engage with Customer

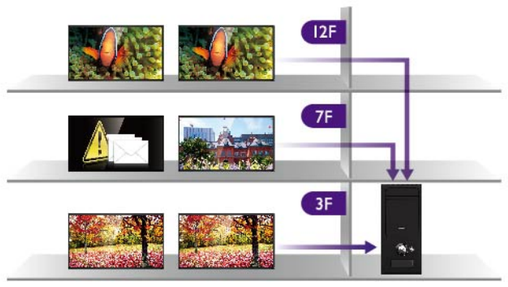
With the same durability and rich colors, the IL Series adds 2-point (IL650) or 6-point (IL420/460/550) touch recognition for more interactivity. Customers can engage with your contents, discover information and make their own choices to create more business opportunities with you in a two-way manner.

6-point Multi-Touch Display

Based on the infrared (IR) technology, the IL Series offers the highest number of touch points in the current digital signage market. The advanced design eliminates most "dead zones" and boosts pointing precision significantly, while the sensor package is now dust-proof and more reliable in portrait mode comparing to competing products.

MDA

The MDA (Multiple Display Administrator) application controls up to 98 displays simultaneously through the local network or serial port; it also monitors the health of displays and coordinates a sequential startup to prevent power surges.



Optimized for Portrait Mode

BenQ puts extra attention on scenarios in which portrait mode communicates better. The PID panel employs a structure featuring more solid fixing points on all edges to prevent "Mura" image distortion common on vertically positioned consumer displays.

BenQ PID

Conventional

DisplayPort

DisplayPort is a new standard for digital audio/video transmission. With the whopping 10.8Gbps bandwidth, the DisplayPort keeps your contents attractive, distortion-free in longer distances than conventional DVI and HDMI.

RS232 / LAN Control

BenQ IL Series supports remote administration via the built-in RJ45 Ethernet or the RS232 serial interface. Routine tasks such as OSD settings and firmware upgrades can be performed on the control server to the daisy-chained displays.

24 / 7 Operation

The IL Series has an amazing average life of 50,000 hours – enough for years of non-stop service. With the reliable industrial-class performance, sturdy build and touch functions, the IL Series is in fact more versatile and economic then consumer models.

10-bit PID Panel*

The panel is capable of displaying 10-bit levels for each primary color, that's 1073.7-million colors in total. This helps producing smooth, rich images with no visible color banding for extremely vivid and effective contents.
*Not available on IL420

Ambient Light Sensor

A sensor automatically adjusts screen brightness according to the lighting condition of the surrounding environment. Since the power usage adapts intelligently with the ambient light, the display can reduce energy consumption by 40% to 50%.

Anti-Image Retention

In commercial environments where images would stay for hours, image retention becomes a problem on consumer displays. PID panels designed for digital signage prevents the burned-in effect even after an extended period of usage.

PiP / PbP

The PiP/PbP feature displays contents from two independent video sources simultaneously for more convenience and flexibility. The PiP mode allows the sub picture to be resized or relocated for the best presentation.

Scheduling Management

The feature enables users to designate up to seven sets of on/off time for IL Series displays down to individual video input sources. This not only eliminates the need to switch displays on/off manually, but also cuts power bills with precise agendas.

Analog Daisy Chain

Analog Daisy Chaining is the easiest way to build a video wall. You can simply connect up to 9 displays through VGA cables without using splitters; the screens can show a mirrored image, or form a 3x3 configuration for an enlarged viewing area.

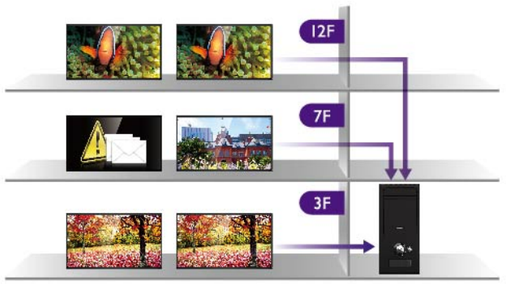
Super Narrow Bezel Display – P Series

As Close as It Gets

The unbelievably thin bezel on the P Series makes the viewing experience unbeatable. Virtually invisible at a distance, the ultra-narrow 5.6mm distance between two adjacent active screens in addition to the 10x10 array capability is perfect for seamless video walls.

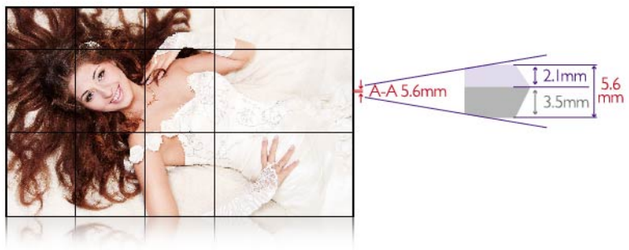
MDA

The MDA (Multiple Display Administrator) application controls up to 98 displays simultaneously through the local network or serial port; it also monitors the health of displays and coordinates a sequential startup to prevent power surges.



Super Narrow Bezel

The super-narrow bezel of the P Series achieves a incredible 5.6mm active-active gap (3.5mm top and left ; 2.1mm bottom and right) to provide the audience with a virtually seamless viewing experience. As screens are close to each other, they bring viewers closer to your message as well.



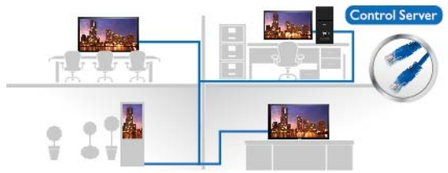
Color Calibration

The optional BenQ Color Calibration solution is great for managing a number of displays. It unifies the color profile of every screen for the best aggregated presentation through a central PC without the need to manually adjust each unit. A true time-saver.

Before Color Calibration After Color Calibration

RS232 / LAN Control

BenQ P Series supports remote administration via the built-in RJ45 Ethernet or the RS232 serial interface. Routine tasks such as OSD settings and firmware upgrades can be performed on the control server to the daisy-chained displays.

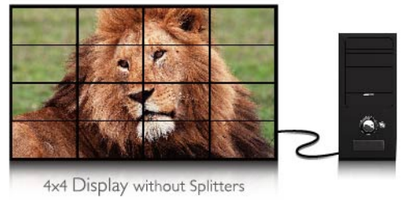


DisplayPort

DisplayPort is a new standard for digital audio/video transmission. With the whopping 10.8Gbps bandwidth, the DisplayPort keeps your contents attractive, distortion-free in longer distances than conventional DVI and HDMI.

Digital Daisy Chain

This feature allows you to deliver high-quality mirrored contents to different locations, or to build a huge multi-display, single-image video wall through one DVI port on the controller PC without the need for splitters.



4x4 Display without Splitters

Auto Cooling System

To ensure a longer service life, lower maintenance cost and better safety, the P Series has Auto Cooling features built in. The system turns the cooling fan on automatically if the internal temperature reaches a certain level.

24 / 7 Operation

The P Series has an amazing average life of 50,000 hours – enough for several years of non-stop service. With the reliable industrial-class performance and sturdy build, the BenQ digital signage displays are in fact more economic then consumer models.

Ambient Light Sensor

A sensor automatically adjusts screen brightness according to the lighting condition of the surrounding environment. Since the power usage adapts intelligently with the ambient light, the display can reduce energy consumption by 40% to 50%.

PiP / PbP

The PiP/PbP feature displays contents from two independent video sources simultaneously for more convenience and flexibility. The PiP mode allows the sub picture to be resized or relocated for the best presentation.

10x10 Video Wall

Designed for large video walls, the P Series supports the array configuration of up to 10x10 displays in OSD setting with a splitter. The feature plus the super-thin bezel is bound to bring your audience a colossal, immersive viewing experience.

10-bit PID Panel

The panel is capable of displaying 10-bit levels for each primary color, that's 1073.7-million colors in total. This helps producing smooth, rich images with no visible color banding for extremely vivid and effective contents.

Anti-Image Retention

In commercial environments where images would stay for hours, image retention becomes a problem on consumer displays. PID panels designed for digital signage prevents the burned-in effect even after an extended period of usage.

Scheduling Management

The feature enables users to designate up to seven sets of on/off time for P Series displays down to individual video input sources. This not only eliminates the need to switch displays on/off manually, but also cuts power bills with precise agendas.

Exclusive Software

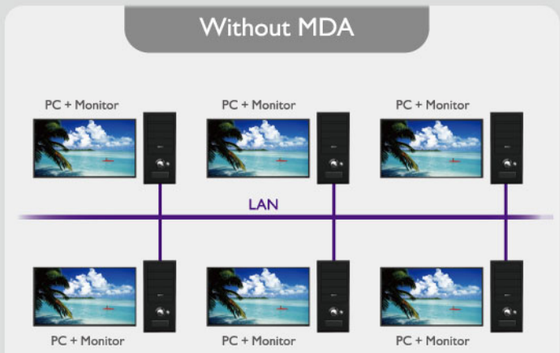
Through the BenQ integrated solutions, your success is foreseeable.

Multiple Display Administrator

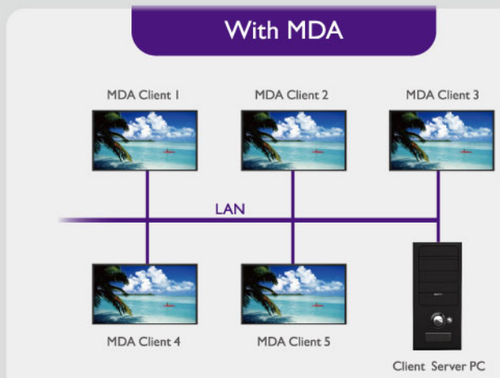
The MDA application allows easy control over 98 displays simultaneously through the local network or serial port taking advantage of the RJ45 and RS232 interfaces on BenQ Digital Signage. It supports the entire SL, P and IL Series with an exception of SL461A.

Through the connection, the administrators can use the MDA to perform tasks such as remote scheduling, configuration cloning, voltage/temperature error detection, preventive email alert and delayed startup sequence for video walls to prevent sudden surges that would have adverse effects on the venue's power system.

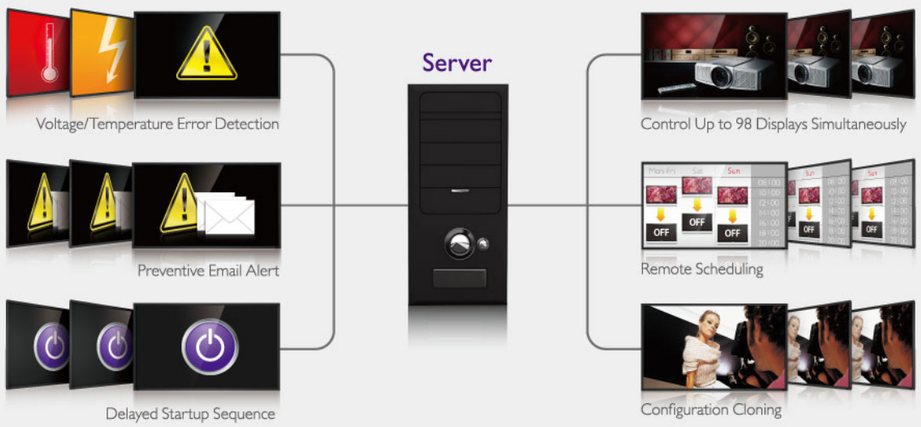
As the number of displays grows, MDA will demonstrate its power on centralizing and unifying your control over the entire digital signage array – it saves your time adjusting individual units, monitoring how they work and making sure they are all in a prime shape. That is, MDA guarantees that the system is always in good order and ultimately saves long-term TCO for you.



Multiple displays with a computer connected to each unit



Multiple displays with a single computer connected by MDA



Exclusive Software

Color Calibration

Any digital signage system with more than one display needs proper color calibration to ensure image consistency, especially the side-by-side video walls. A video wall with varying colors would convey just one message: less-than-perfect professionalism.

With the BenQ color calibration software, the P Series displays in a video wall configuration can be quickly tuned in three easy steps:

Step1 :
Collect color profiles of each display using a color meter and then output to a PC

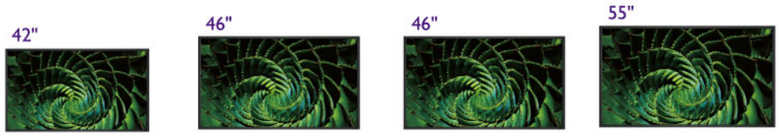
Step2 :
Generates a uniform color profile with software on the PC

Step3 :
Distribute the color profile to the array of displays

Before Color Calibration

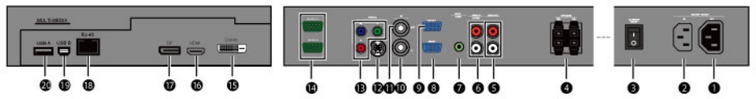
After Color Calibration

Taking advantage of this effective solution, you can effortlessly set up a video wall with stunning, consistent image quality for your audience to be impressed.

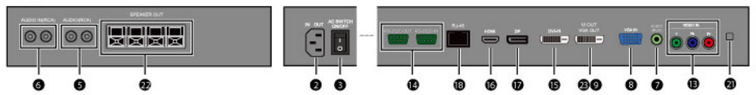


		SL420	SL460	SL461A	SL550
Panel	Screen Size	42"	46"	46"	55"
	Type	PID	PID	PID	PID
	Light Source	D-LED	E-LED	E-LED	E-LED
	Active Area (mm)	927.94(H) x 521.96(V)	1018.08(H) x 572.67(V)	1018.08(H) x 572.67(V)	1209.6(H) x 680.4(V)
	Resolution (pixels)	FHD 1920 x 1080 (16:9)	FHD 1920 x 1080 (16:9)	FHD 1920 x 1080 (16:9)	FHD 1920 x 1080 (16:9)
	Brightness (typ.)	400 cd/m²	500 cd/m²	500 cd/m²	450 cd/m²
	Native Contrast Ratio (typ.)	1000:1	4000:1	4000:1	4000:1
	Response Time (G-to-G)	9ms	6.5ms	6.5ms	6.5ms
	Pixel Pitch (H x W)	0. 4833 (H) x 0.4833 (W) mm	0.53025 (H) x 0.53025 (W) mm	0.53025 (H) x 0.53025 (W) mm	0.21 (H) x 0.63 (W) mm
	Frame Rate	60 Hz	60Hz	60 Hz	60 Hz
	Viewing Angle (H / V)	178° / 178°	178° / 178°	178° / 178°	178° / 178°
	Color Gamut (x% NTSC)	68%	72%	72%	72%
	Color Depth	8-bit, 16.7M	10-bit (8-bit+FRC), 1073.7M	10-bit (8-bit+FRC), 1073.7M	10-bit (8-bit+FRC), 1073.7M
I/O Connection	Power (AC) Input / Ouput	O / O	O / O	O / X	O / O
	Power switch	O	O	O	O
	VGA Input / Output	O / O	O / O	O / X	O / O
	DVI Input / Output	O / X	O / X	O / O	O / X
	HDMI Input / Output	O / X	O / X	O / X	O / X
	Composite video In / Out (BNC)	O / O	O / O	O / X	O / O
	Component In (YPbPr, RCA)	O	O	O	O
	S-Video In / Out	O / X	O / X	X / X	O / X
	DisplayPort Input	O	O	O	O
	USB Player (Photo,Video)	O	O	X	O
	RS232 Input / Output	O / O	O / O	O / O	O / O
	OPS Slot	X	X	O	X
	RJ45 Port	O	O	O	O
Audio	Audio W (Amp)	12W+12W	12W+12W	10W+10W	12W+12W
	Internal Speaker	12W x 2	12W x 2	10W x 2	12W x 2
Power	Power Supply	AC 100~240V, 50/60 Hz	AC 100~240V, 50/60 Hz	AC 100~240V, 50/60 Hz	AC 100~240V, 50/60 Hz
	Power Consumption (Maximun)	<150W	<150W	<245W	<195W
	Power Consumption (Standby)	<0.5W	<0.5W	<0.5W	<0.5W
	Power Consumption (Off)	<0.5W	<0.5W	<0.5W	<0.5W
Environment	Operation Temp (dC)	0°C ~ 40°C	0°C ~ 40°C	0°C ~ 40°C	0°C ~ 40°C
	Storage Temp (dC)	-20°C ~ 60°C	-20°C ~ 60°C	-20°C ~ 60°C	-20°C ~ 60°C
	Usage (hrs / days)	24 / 7	24 / 7	24 / 7	24 / 7
Mechanical	Weight (without / with packing)	18 / 23 kg	22 / 25.5 kg	22 / 27.5 kg	28.2 / 38.2 kg
	Dimension (W x H x D)	981 x 571 x 106 mm	1052 x 606 x 84 mm	1053 x 607 x 69 mm	1239 x 710 x 84 mm
	Bezel Width (T / B / L / R)	22.5 / 22.5 / 22.5 / 22.5 mm	14.9 / 14.9 / 14.9 / 14.9 mm	15.8 / 15.8 / 17.3 / 17.3 mm	13.2 / 13.2 / 13.2 / 13.2 mm
	VESA Wall Mounting (mm)	400 x 200 (4 Holes)	400 x 200 (4 Holes)	200 x 200 / 400 x 200 / 400 x 400	400 x 400 (4 Holes)
Package / Accessory	Remote Control	O	O	O	O
	PWR Cord (by region)	O	O	O	O
	VGA Cable	O	O	O	O
	Quick Start Guide	O	O	O	O
	User's manual electronic file	O	O	O	O
	Stand	X (optional, on VESA mount)	X (optional, on VESA mount)	X (optional)	X (optional, on VESA mount)
Features	● Image Setting ● Source / Volume Control ● Digital Daisy Chain(Only SL461A) ● Analog Daisy Chain ● RS232 Control Daisy Chain ● ID Setting ● Sharpness Enhancement ● Proof of Image Retention ● Diming Control (Adaptive Contrast) ● Picture in Picture (PiP) ● Picture by Picture (PbP) ● DVI-HDCP ● HDMI-HDCP ● De-Interlacing / Comb Filter ● 10-bit Color Processing(SL420 not available) ● Build-in Video Wall Support ● Scheduling ● Ambient Light Sensor(SL461A not available) ● Total Turn-On Time ● Diagnostic DC voltage (12w/5v) ● Internal Temperature Sensor ● CEC Control				

SL420/SL460/SL550

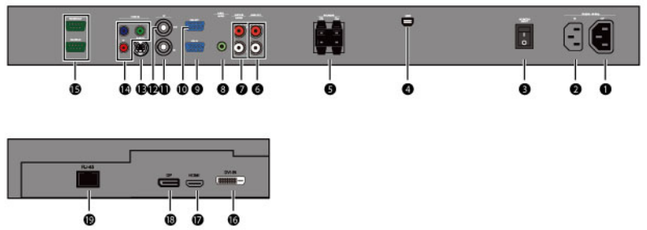


SL461A



1. AC OUT
2. AC IN
3. AC SWITCH ON / OFF
4. SPEAKERS(R/L)
5. AUDIO OUT(R/L)
6. AUDIO IN(AUDIO2)
7. AUDIO IN(AUDIO1)
8. VGA IN
9. VGA OUT
10. AV IN
11. AV OUT
12. VIDEO IN(S-VIDEO)
13. VIDEO IN(YPbPr)
14. RS232C IN / OUT
15. DVI-IN
16. HDMI
17. DISPLAY PORT
18. RJ-45
19. USB B
20. USB A
21. SPEAKER SWITCH
22. SPEAKER OUT
23. DVI OUT

		IL420	IL460	IL550	IL650
Panel	Screen Size	42"	46"	55"	65"
	Type	PID	PID	PID	PID
	Light Source	D-LED	E-LED	E-LED	E-LED
	Active Area (mm)	927.94(H) x 521.96(V)	1018.08(H) x 572.67(V)	1209.6(H) x 680.4(V)	1428.48 (H) x 803.52 (V)
	Resolution (pixels)	FHD 1920 x 1080 (16:9)	FHD 1920 x 1080 (16:9)	FHD 1920 x 1080 (16:9)	FHD 1920 x 1080 (16:9)
	Brightness (typ.)	400 cd/m²	500 cd/m²	450 cd/m²	360 cd/m²
	Native Contrast Ratio (typ.)	1000:1	4000:1	4000:1	4000:1
	Response Time (G-to-G)	9ms	6.5ms	6.5ms	8ms
	Pixel Pitch(HxW)	0. 4833 (H) x 0.4833 (W) mm	0.53025 (H) x 0.53025 (W) mm	0.21 (H) x 0.63 (W) mm	0.744 (H) x 0.744 (W) mm
	Frame Rate	60 Hz	60 Hz	60 Hz	60 Hz
	Viewing Angle (H/V)	178° / 178°	178° / 178°	178° / 178°	178° / 178°
	Color Gamut (x% NTSC)	68%	72%	72%	72%
	Color Depth	8-bit, 16.7M	10-bit (8-bit+FRC), 1073.7M	10-bit (8-bit+FRC), 1073.7M	10-bit (8-bit+FRC), 1073.7M
Touch	Technology	IR 6-point touch	IR 6-point touch	IR 6-point touch	IR 2-point touch
	Resolution (points area function)	4096 x 4096	4096 x 4096	4096 x 4096	4096 x 4096
	Capacity	6 simultaneous touches	6 simultaneous touches	6 simultaneous touches	2 simultaneous touches
	Accuracy	+/- 2.5mm	+/- 2.5mm	+/- 2.5mm	<1.5mm (central area) <2.5mm (marginal area)
	Touch Output	USB 2.0	USB 2.0	USB 2.0	USB 2.0
	OS supported	Windows XP (Single point), Vista, Win 7, Win 8 (6 points) Linux (need to check distribution and kernel version) Mac (single point)			Win 2k / XP / Vista / W7, Linux, Mac10.4-10.6 32bit
	USB (Touch to External PC)	O	O	O	O
I/O Connection	Power (AC) Input/Ouput	O / O	O / O	O / O	O / O
	Power switch	O	O	O	O
	VGA Input / Output	O / O	O / O	O / O	O / O
	DVI Input / Output	O / X	O / X	O / X	O / X
	HDMI Input / Output	O / X	O / X	O / X	O / X
	Composite video In / Out (BNC)	O / O	O / O	O / O	O / O
	Component In (YPbPr, RCA)	O	O	O	O
	S-Video In / Out	O / X	O / X	O / X	O / X
	DisplayPort Input	O	O	O	O
	USB Player (Photo,Video)	X	X	X	X
	RS232 Input / Output	O / O	O / O	O / O	O / O
	OPS Slot	X	X	X	X
	RJ45 Port	O	O	O	O
Audio	Audio W (Amp)	12W+12W	12W+12W	12W+12W	12W+12W
	Internal Speaker	12W x 2	12W x 2	12W x 2	12W x 2
Power	Power Supply	AC 100~240V, 50/60 Hz	AC 100~240V, 50/60 Hz	AC 100~240V, 50/60 Hz	AC 100~240V, 50/60 Hz
	Power Consumption (Maximun)	<150W	<150W	<220W	<265W
	Power Consumption (Standby)	<0.5W	<0.5W	<0.5W	<0.5W
	Power Consumption (Off)	<0.5W	<0.5W	<0.5W	<0.5W
Environment	Operation Temp (dC)	0°C ~ 40°C	0°C ~ 40°C	0°C ~ 40°C	0°C ~ 40°C
	Storage Temp (dC)	-20°C ~ 60°C	-20°C ~ 60°C	-20°C ~ 60°C	-20°C ~ 60°C
	Usage (hrs / days)	24 / 7	24 / 7	24 / 7	24 / 7
Mechanical	Weight (without / with packing)	23 / 27 kg	28 / 32.5 kg	44 / 55 kg	63 / 75 kg
	Dimension (W x H x D)	981 x 571 x 121 mm	1066 x 621 x 100 mm	1260 x 730 x 101 mm	1520 x 882 x 107mm
	Bezel Width (T / B / L / R)	22.5 / 22.5 / 22.5 / 22.5 mm	22.5 / 22.5 / 22 / 22 mm	23.1 / 23.1 / 23.55 / 23.55 mm	36.9 / 36.9 / 43.9 / 43.9 mm
	VESA Wall Mounting (mm)	400 x 200 (4 Holes)	400 x 200 (4 Holes)	400 x 400 (4 Holes)	400 x 400 (4 Holes)
Package / Accessory	Remote Control	O	O	O	O
	PWR Cord (by region)	O	O	O	O
	VGA Cable / USB Cable (A-B Type)	O	O	O	O
	Touch Pan (Stylus)	X	X	X	O (2 Pcs)
	Quick Start Guide	O	O	O	O
	User's Manual Electronic File	O	O	O	O
	Stand	X (optional, on VESA mount)	X (optional, on VESA mount)	X (optional, on VESA mount)	X (optional, on VESA mount)
Features	● Image Setting ● Source / Volume Control ● Analog Daisy Chain ● RS232 Control Daisy Chain ● ID Setting ● Sharpness Enhancement ● Proof of Image Retention ● Diming Control (Adaptive Contrast) ● Picture in Picture (PiP) ● Picture by Picture (PbP) ● DVI-HDCP (IL420 / IL460 not available) ● HDMI-HDCP ● De-Interlacing / Comb Filter ● 10-bit Color Processing (IL420 not available) ● Build-in Video Wall Support ● Scheduling ● Ambient Light Sensor ● Total Turn-On Time ● Diagnostic DC voltage (12v / 5v) ● Internal Temperature Sensor ● CEC Control				



1. AC OUT
2. AC IN
3. AC SWITCH ON / OFF
4. USB
5. SPEAKERS (R / L) (IL650 not available)
6. AUDIO OUT (R / L)
7. AUDIO IN (AUDIO2)
8. AUDIO IN (AUDIO1)
9. VGA IN
10. VGA OUT
11. AV IN
12. AV OUT
13. VIDEO IN(S-VIDEO)
14. VIDEO IN(YPbPr)
15. RS232C IN / OUT
16. DVI-IN
17. HDMI
18. DISPLAY PORT
19. RJ-45