

# PH460 | Designed For Excellence

## Features

- 46" LCD Monitor
- Native Full HD 1920 x 1080 Resolution
- 4,000:1 Native Contrast Ratio
- High Brightness & 10-bit PID Panel
- 6.5 ms Response Time, HDMI
- 178° x 178° Viewing Angle, 700 nits (typ)

## Highlights

### Super Narrow Bezel

The super-narrow bezel of the P Series achieves an incredible 5.4mm bezel to bezel gap to provide the audience with a virtually seamless viewing experience whether in landscape or portrait mode. As screens are close to each other, they bring viewers closer to your message as well.

### High Brightness

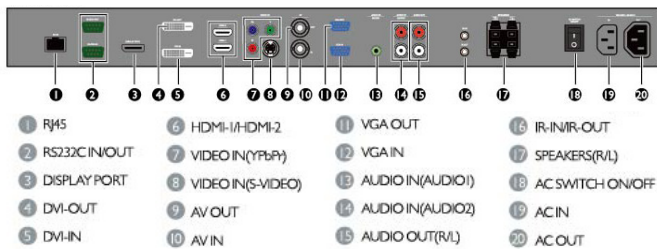
With up to 700 bit panel brightness (color), the panel is capable of displaying 10-bit levels for each primary color, that's 1.07 billion colors in total. This helps produce smooth, rich, images with no visible color banding for extremely vivid and effective content.

### 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 than consumer models.

### 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.



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



## Specifications

Panel	LCD Size	46"
	Light Source	Direct LED
	Active Area (mm)	1018.08(H) x 572.67(V)
	Resolution	FHD 1920 x 1080 (pixels)
	Aspect Ratio	16:9
	Brightness	700 nits (typ.)
	Contrast Ratio	4000:1 (typ.)
	Response Time (ms)	6.5ms (typ.)
	Pixel Pitch	0.53025 (H) x 0.53025 (V) mm
	Frame Rate	60Hz
	Viewing Angle	178 degree (H) / 178 degree (V)
	Light Life	50,000 hrs (typ.)
	Color gamut (x% NTSC)	72%
	Panel Bit	10 bit (8bit+FRC), 1073.7M
	Power	Voltage
Maximum (Watt)		<300W
Typical (Watt)		270W
Standby (Watt)		<0.5W (only VGA wake-up)
Power Off (Watt)		<0.5W
Environment	Operation Temp (dC)	0°C ~ 40°C
	Storage Temp (dC)	-20°C ~ 60°C
	Storage Humidity	10% ~ 90% RH
	Operating Humidity	10% ~ 80% RH
	Display Orientation	Landscape / Portrait
	Usage (hrs/days)	24 hours / 7 days
Audio	Audio Input (L/R, RCA)	x1
	Audio Output (L/R, RCA)	x1
	Internal Spk	12W x 2
AC Power	Line in (3.5mm)	x1
	Power (AC) Input	x1
	Power (AC) Output	x1
	Power switch	x1
I/O	VGA In	x1
	VGA Output	x1 (3x3 Daisy Chain)
	DVI-D Input	x1
	DVI-D Output	x1 (4x4 Daisy Chain)
	HDMI Input	x1
	HDMI Output	No
	Composite video In (BNC)	Yes (BNC)
	Composite video Out (BNC)	Yes (BNC)
	Component In (RCA)	Yes (RCA)
	S-Video In	x1
	Display Port Input	x1
	RJ45 Port (Video Over Ethernet)	No
	Control	RS232 Input
RS232 Output		x1
RJ45 Port		x1
FW Update		RS232/LAN
IR Loop Through 3.5mm		x1
ME		Weight (without / with packing)
	Dimension (WxHxD)	1023.68x578.27x106.7 mm
	Bezel Width (T/B/L/R)	3.4/2.0/3.4/2.0 mm
	Wall Mounting	400x400 (4 holes)
	VESA Hole (for Media Player)	No
Language	OSD	EN/EF/SP/EP/CN/TC
Accessory	Remote Controller	x1
	PWR Cord	1.8 meter
	VGA Cable	x1
	Quick start guide	x1
Number	UPC code	8400460-2878-7
	BenQ Part Number	9H.F04PQ.NA2
Software Compatible	Multiple display administrator	Yes
	Color calibration	Yes
Warranty	Warranty	3-Year
Features	Image Setting, VGA Daisy Chain, DVI Daisy Chain, RS232 Control Daisy Chain, ID Setting, Sharpness Enhancement, Proof of Image Retention, Dimming Control (Adaptive Contrast), Picture in Picture (PIP), Picture by Picture (PBP), DVI-HDCP, HDMI-HDCP, Scheduling, Ambient Light Sensor, Internal Temperature Sensor, CEC Control	

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Because it matters