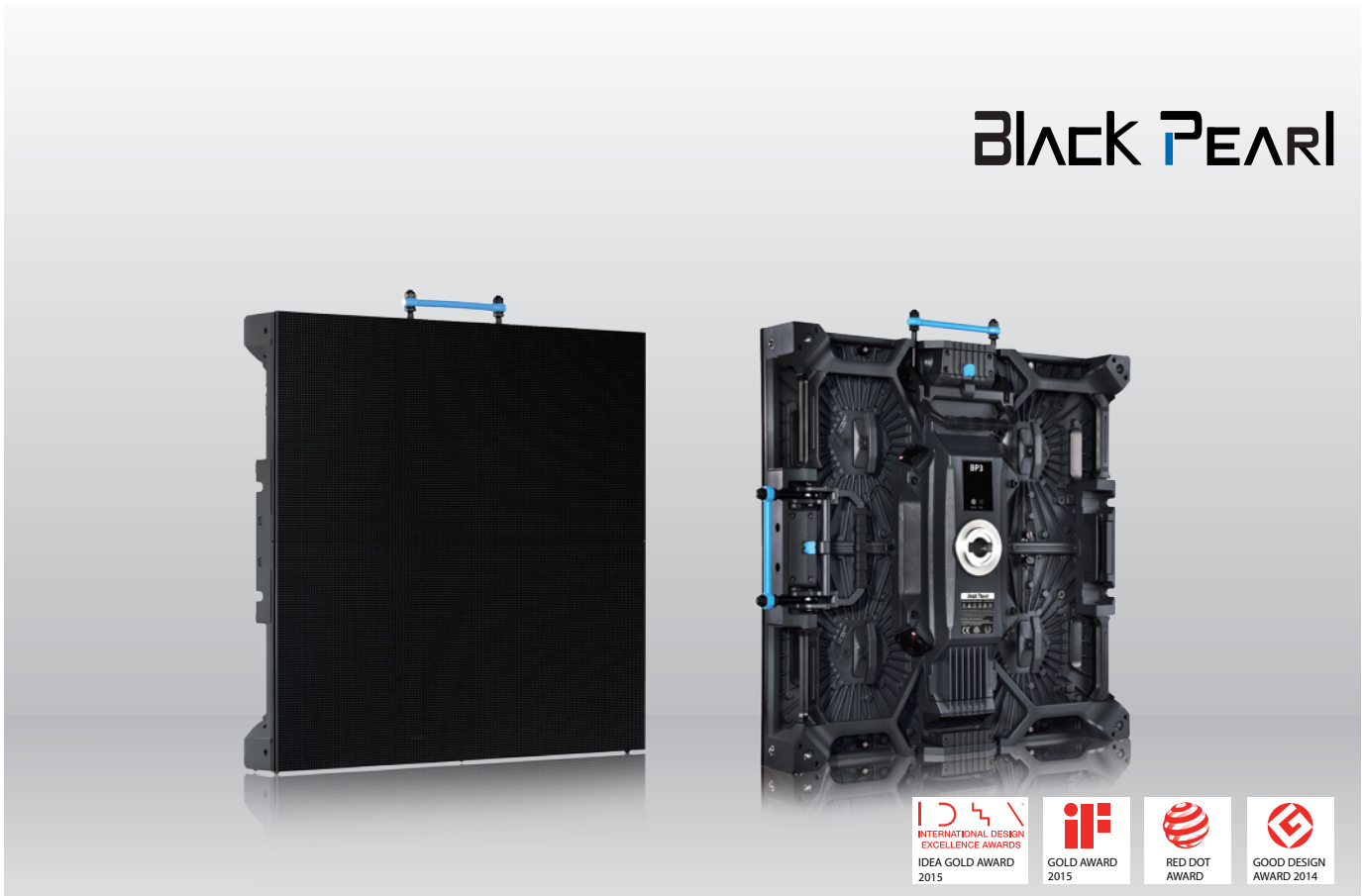


## BLACK PEARL



### ■ Features

**Lightweight & Strong** tile made by magnesium alloy and revolutionary design.

**Fast and Simple Setup** by magnet system and smart lock.

**Intelligent Module** stores calibrating and operating parameters separately.

**High Protection** of Leds by edge-care tile design and packing design.

**Superb Visual** effect with high refresh rate, outstanding color processing and great contrast ratio.

**High Efficient** power supply(90%) and heat sink inside.

**Easy Maintenance** with push-out module and all the modules are the same design.

### ■ Introduction

The Black Pearl is a cost-efficient version from Black Onyx. It has the same award-winning tile design. The innovative design has successively won many famous design awards including IF Gold Award, Reddot Award, G-Mark Design Award, Design For Asia Award.

The Black Pearl is powered by ROE Visual's control system – Evision. One controller supports a max. resolution of 2560x1024 and 16pcs controllers are possible to be connected together by USB. The software is designed by ROE Visual which perfectly fits event and stage business.

The innovative and friendly design supports a fast and simple setup for both flown and ground-supported setups well suited to the needs of large events, concerts and exhibitions. Featuring a HD pixel pitch(3.9mm) and outstanding color processing, the product also promises high-end performance in TV studios and lecture halls.

## ■ Specifications

Black Pearl	BP3	BP5
Pixel Pitch	3.91mm	5.21mm
Pixel Matrix	128×128dot	96×96dot
Pixel Density	65536/sqm	36864/sqm
LED Configuration	Black SMD 3-in-1	Black SMD 3-in-1
Viewing Angle(Hor/Vert)	110°/100°	110°/100°
Brightness(After calibration)	1500 nits(NationStar 2020)	1500 nits(NationStar 2020)
Refresh Rate	3000Hz	3840Hz
Contrast	5000:1	5000:1
Gray Scale	16bit	16bit
Scan	1/16	1/6
Tile Dimension(W×H×D)	19.7"×19.7"×3.5" 500.0mm×500.0mm×90.0mm	19.7"×19.7"×3.5" 500.0mm×500.0mm×90.0mm
Tile Material	Magnesium Alloy	Magnesium Alloy
Tile Weight	19.2lbs(8.7kg) per tile	19.2lbs(8.7kg) per tile
Power Consumption(Max./average)	640/290W/sqm	640/290W/sqm
Operating Temp/Humidity	-20°C~45°C, 10~90%RH	-20°C~45°C, 10~90%RH
Storage Temp/Humidity	-40°C~60°C, 10~90%RH	-40°C~60°C, 10~90%RH
Lifetime	≥50000h	≥50000h
Max. Stacking	8 tiles	8 tiles
Max. Hanging	20 tiles	20 tiles
Curve(optional)	Concave(0~10°)	Concave(0~10°)

## ■ Dimensions

