BNX SERIES

DISPLAY A BETTER **WORLD** FOR ALL

Styled

CONTENTS

PART 1

Products Overview

DISPLAY A BETTER **WORLD** FOR ALL

Product Overview

BNX Series

P1.9/2.6/2.9/3.9

01

Super lightweight and slim

02

Module with no back shell design

03

High flatness

04

Highly efficient heat dissipation

05

PSU and Receiving cards double backup

06

Cabinet size:500x250mm、750x250mm、1000x250mm
Module size:250x250mm

PART 2

Scope of Application

DISPLAY A BETTER **WORLD** FOR ALL

2·Application

- Multi-assembly
- Widely application
- Design for indoor/fix

Retail shops, chain stores, TV studios, Cinemas, Airports, Museums

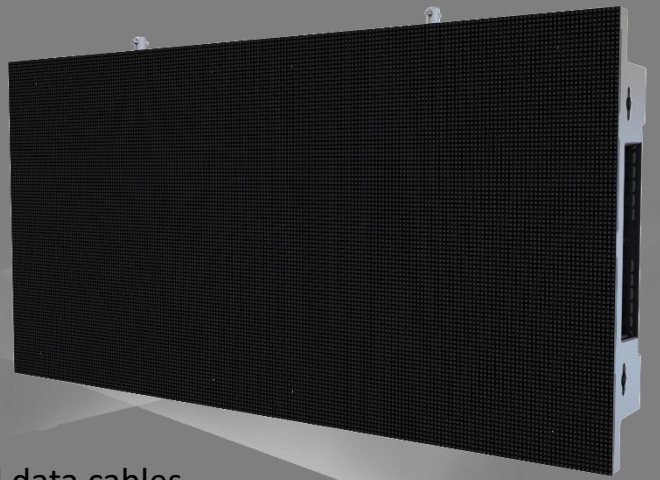
PART 3

Product Features

DISPLAY A BETTER **WORLD** FOR ALL

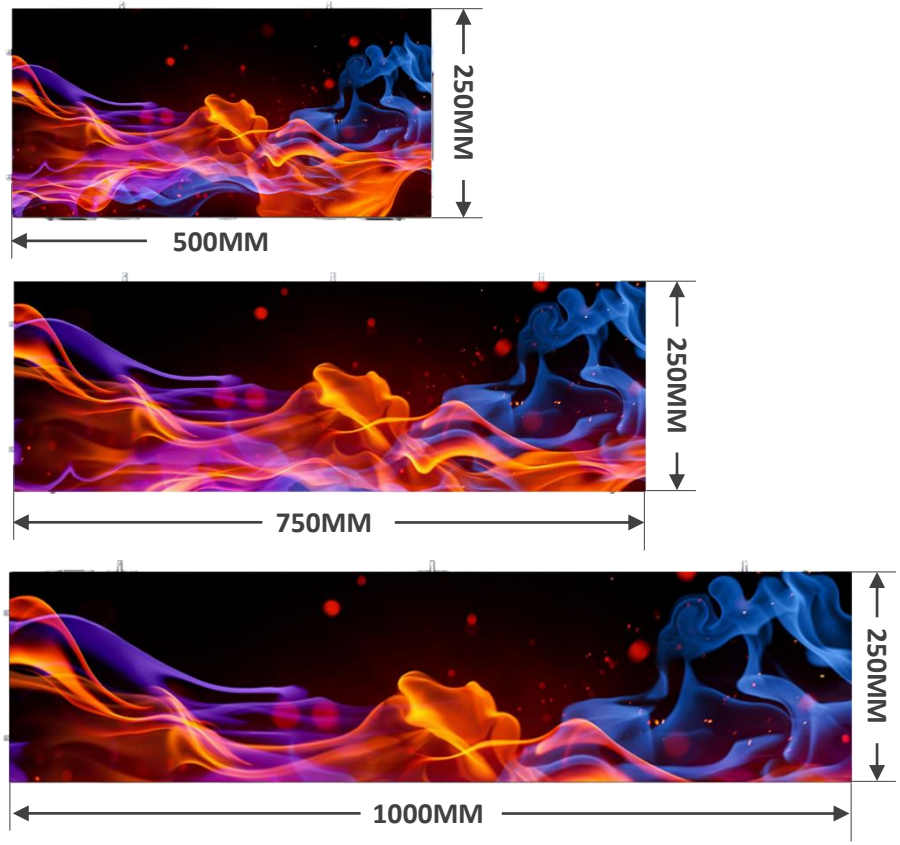
3.1 APPEARANCE

COMPACT APPEARANCE



- Fancy cabinet design, and both power and data cables are connected internally to ensure no extra uncovering cables outward.

MULTI-CABINET SIZES



3

OPTIONS

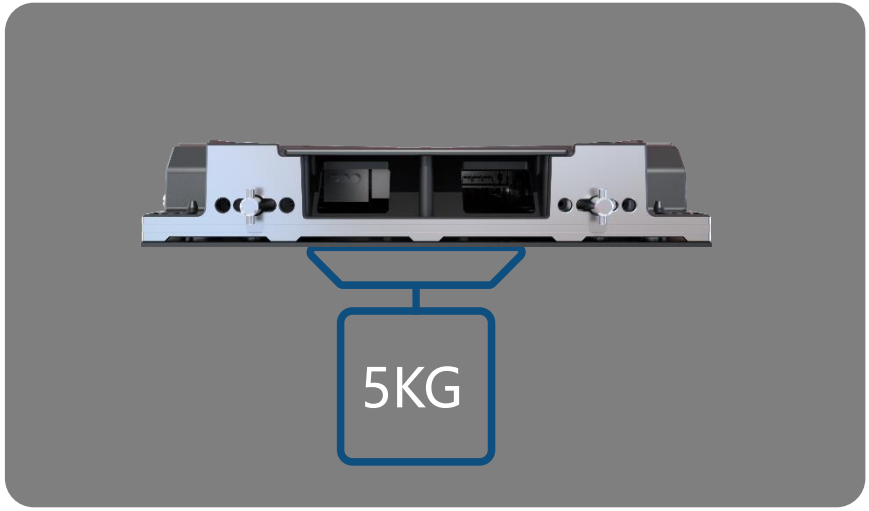
500x250x48MM

750x250x48MM

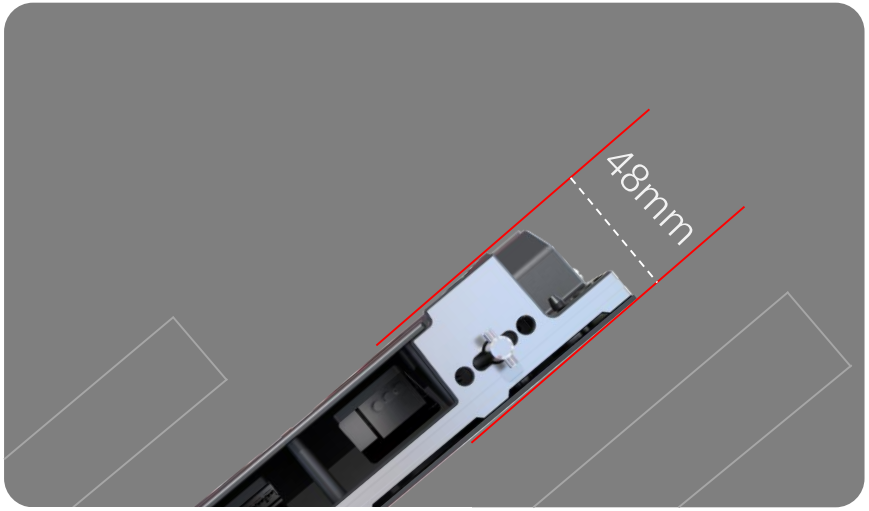
1000x250x48MM

Styled

SUPER LIGHTWEIGHT AND SLIM



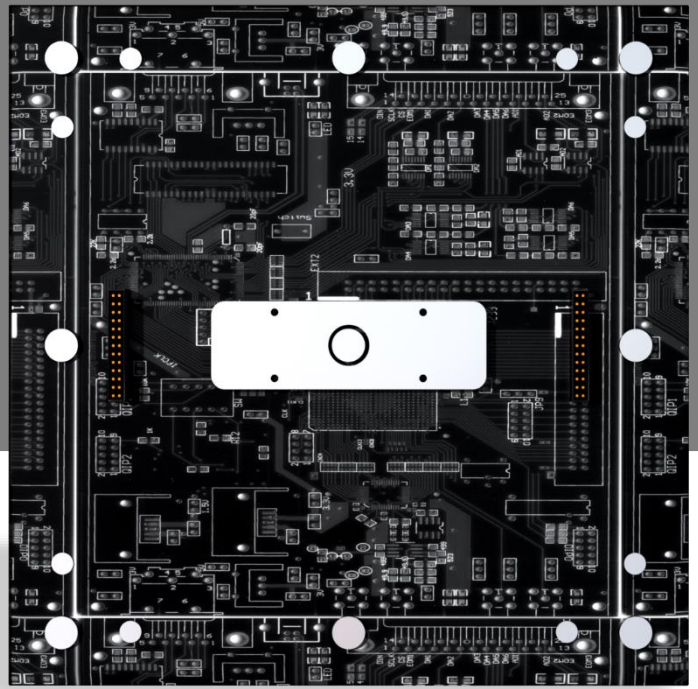
Cabinet is super light



Cabinet is super slim

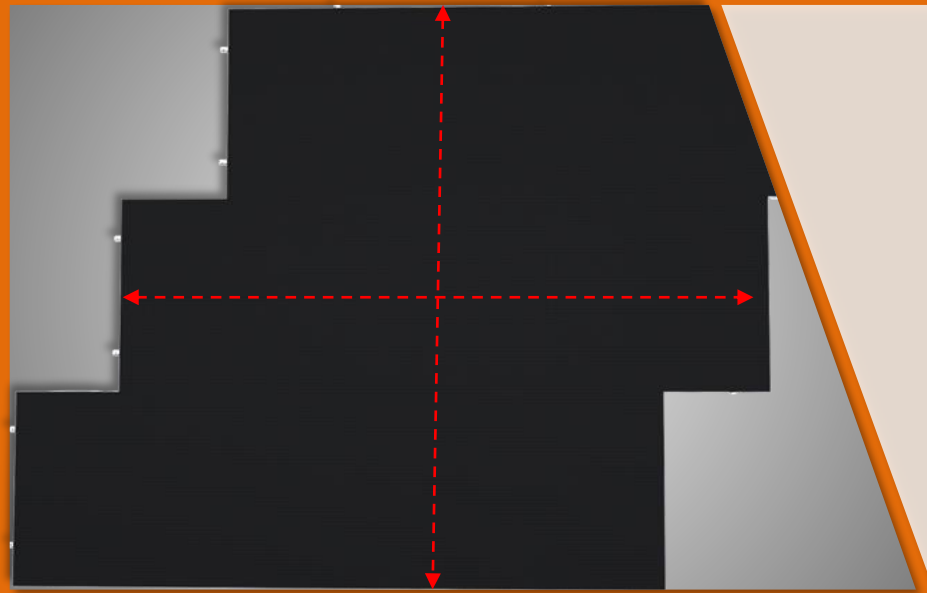
- Cabinet is super light - only 5kg for 750x250mm cabinet and super slim with depth of only 48mm.

ULTRA THIN MODULE WITH NO BACK SHELL DESIGN



- Ultra-thin module
- With no back shell design
- Convenient for dismantlement

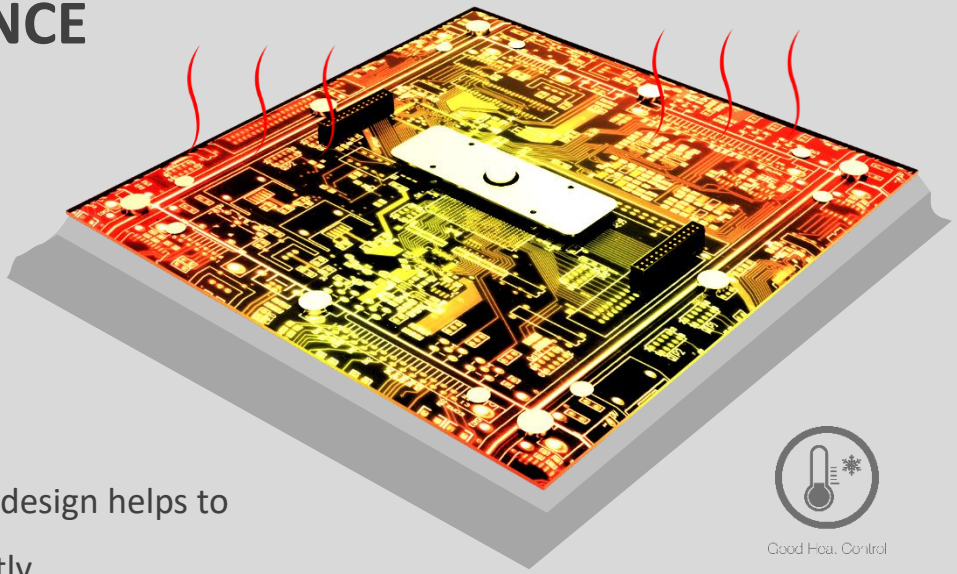
HIGH FLATNESS



- Flatness inside and gap control between cabinet is perfect.

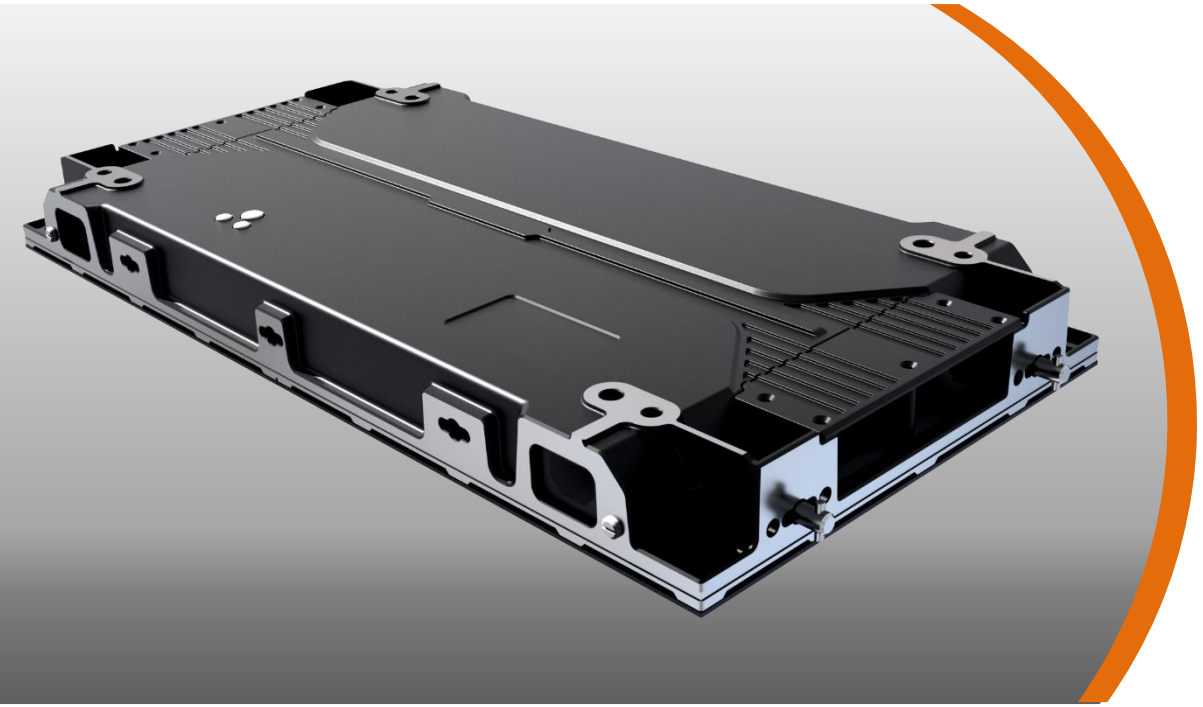
3.2 PERFORMANCE

HIGHLY EFFICIENT HEAT DISSIPATION



Good Heat Control

- Modules without back shell design helps to dissipate heat more efficiently



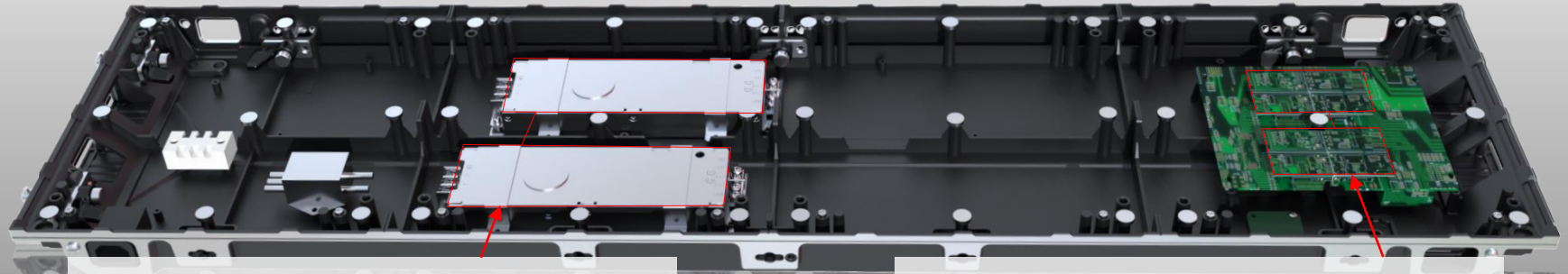
Internal connection of power and data cables

- Power cable with pin connector while data cable with RJ45 connector are connected internally.

pin connector

RJ45 connector

PSU AND RECEIVING CARDS DOUBLE BACKUP(**OPTIONAL**)

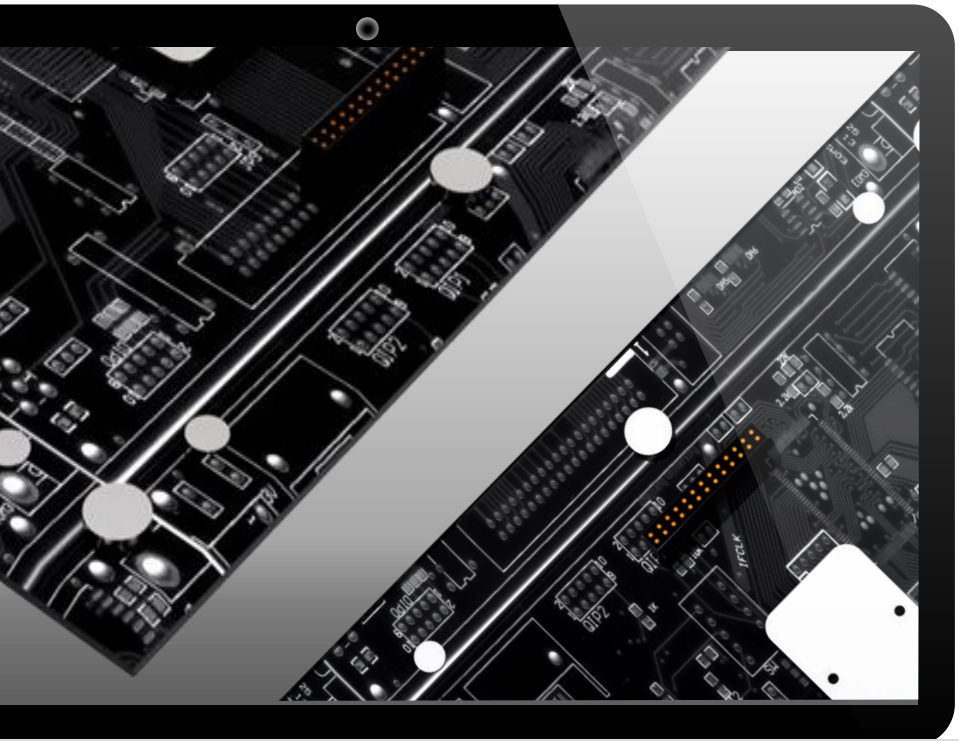


PSU double backup(optional)

PSU will be backuped by N+1 quantity. When one way of power transmission fails, another way will work instead automatically to ensure the normal working of screen.

Receiving card double backup (optional)

When one receiving card fails to work, another one will still function well, providing sustainable working ability of screen in some key moments and ensuring reliability.

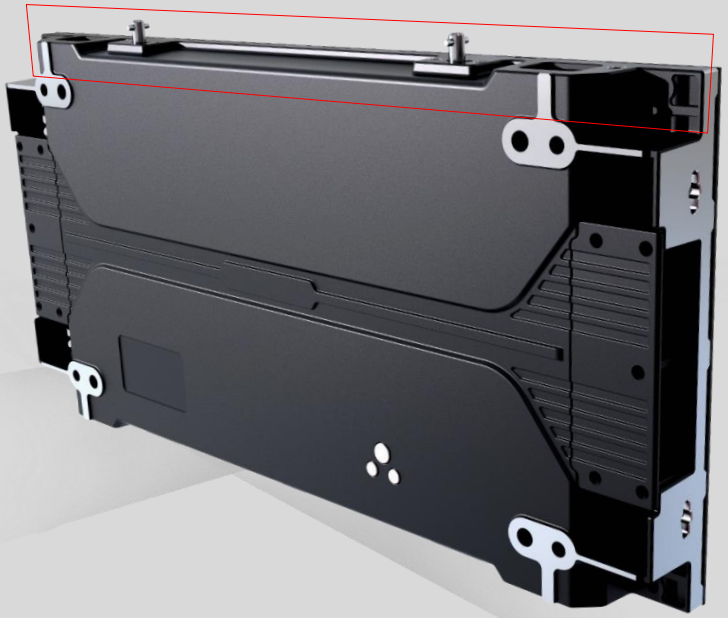


SMART MODULES

Smart modules option (with calibration function)

3.3 STRUCTURE

FAST LOCK DESIGN

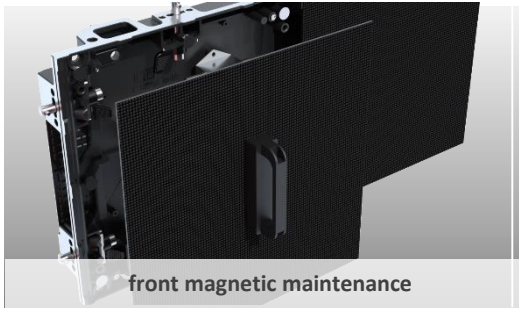


- Auto upside and downside locks make operation easier and more convenient, realizing quick installation.

FULL FRONT MAINTENANCE

Module

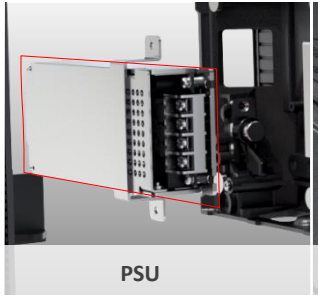
front magnetic maintenance +
front vacuum maintenance


front magnetic maintenance

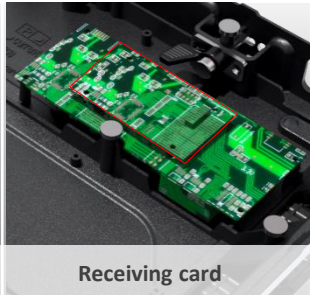

front vacuum maintenance

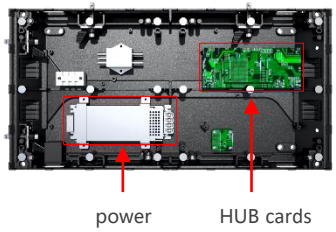
Front maintenance

PSU + HUB card + Receiving card


PSU


HUB card


Receiving card

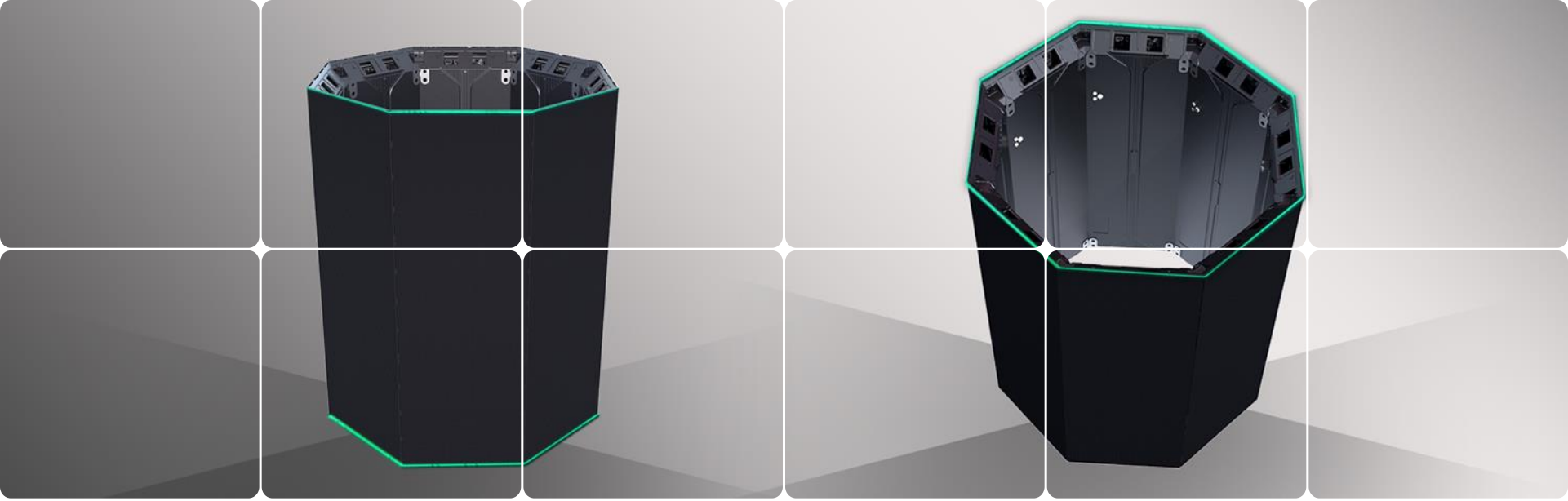


EASY MAINTENANCE

01 Modules are designed without back shell

02 HUB cards and PSU can be taken down and maintained quickly

03 AS long as the two piece corresponding modules are taken down



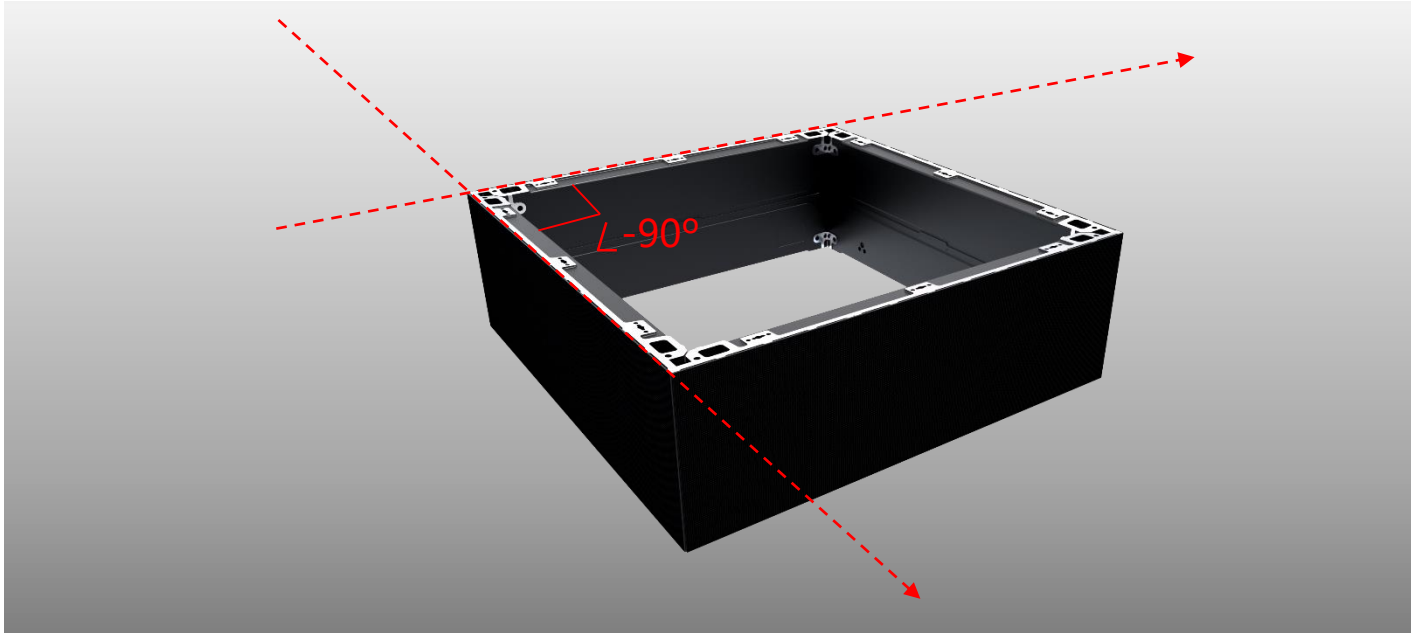
CURVED CABINET OPTION

- Outer arch can reach 5°~10° (vertical)without dimming light while inner arch can reach -90° ~0° without bright light vertically, so the screen can realize concave-convex effect easily

MALPOSED COMBINATION

- Cabinets can be combined malposed

CUT-CORNER SCREEN & CORNER SCREEN



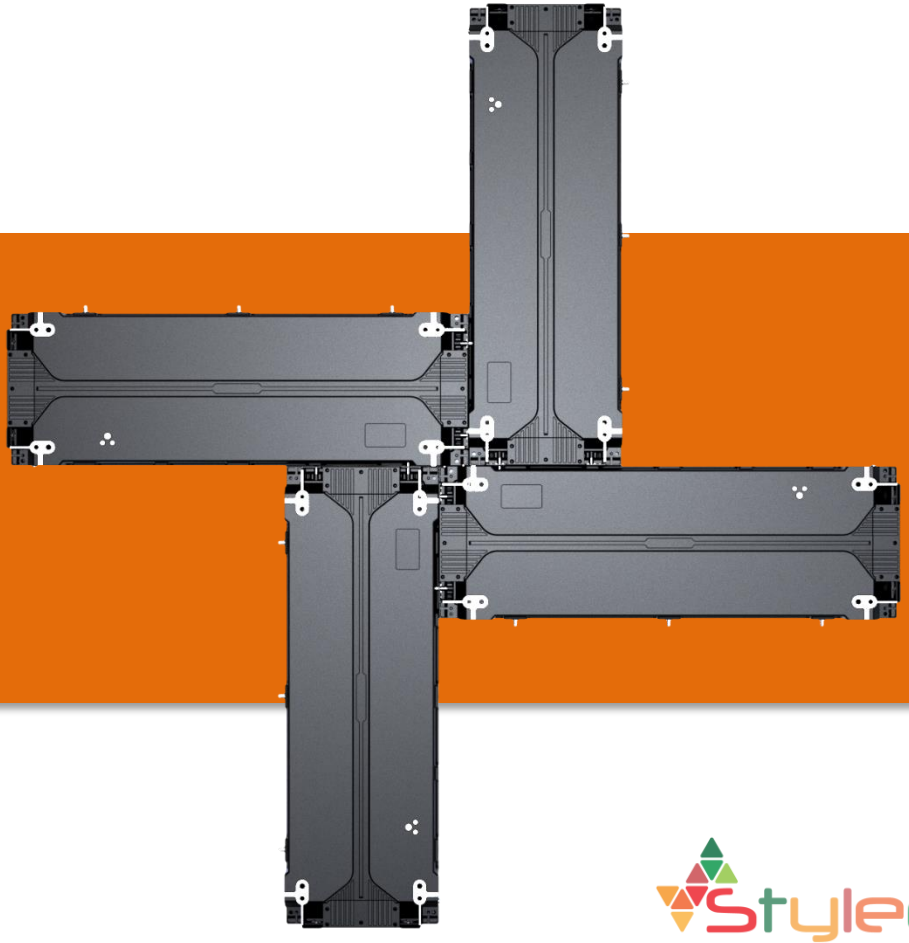
- Cabinets can be combined freely to cut-corner and corner (-90°~0°) screen horizontally

ROTATED COMBINED

01 Modules can be rotated and spliced

02 The width can be matched at will

03 Can spell any size screen



CABINETS CAN BE MIXED COMBINED

- Cabinets can be mixed combined with **GN-PLUS** to make more multiple appearance

PART 4

Product Specification

DISPLAY A BETTER **WORLD** FOR ALL

Model		BNX1.9	BNX2.6
Physical parameters	Pixel Configuration	SMD1010	SMD2020
	Pixel matrix per panel	384x128	288x96
	Cabinet Dimensions (WxHxD)	750x250x48mm	750x250x48mm
	Module Dimensions (WxH)	250x250mm	250x250mm
	Module weight (kg/panel)	0.45 kg/panel	0.45 kg/panel
Electronic parameters	Color Grayscale (Bit)	13bit	14bit
	Refresh Rate（Hz）	1920-2880(EMC)	1920-3840(EMC)
	Driving Type	1/32scan	1/24scan
	Signal Transmission Distance	CAT5 cable:＜100 m;	CAT5 cable:＜100 m;
		Single mode fiber:＜10 km	Single mode fiber:＜10 km
Optoelectronic parameters	Brightness (nits)	1000	1000
	Optimal Horizontal Viewing Angle	160º	160º
	Optimal Vertical Viewing Angle	140º	110º
Electrical parameters	AC Input Voltage（V）	AC 100-240V	AC 100-240V
	AC Input Power Maximum Value	145	105
	AC Input Power Typical Value	50	35
Circumstance Parameter	Storage Temperature（℃）	-40℃～-60℃	-40℃～-60℃
	Working Temperature (℃)	0℃～-40℃	0℃～-40℃
	IP rating (Front/Rear)	IP40/IP20	IP40/IP20
	Working Humidity (RH)	10%-60%non-condensing	10%-60%non-condensing
	Lifetime Typical Value（hrs）	100000	100000
Installation	Cabinet installation	fix	fix

Model		BNX2.9	BNX3.9
Physical parameters	Pixel Configuration	SMD2020	SMD2020
	Pixel matrix per panel	252x84mm	192x64
	Cabinet Dimensions (WxHxD)	750x250x48mm	750x250x48mm
	Module Dimensions (WxH)	250x250mm	250x250mm
	Module weight (kg/panel)	0.45kg/panel	0.45kg/panel
Electronic parameters	Color Grayscale (Bit)	13-15bit	13-14bit
	Refresh Rate（Hz）	1920-3840Hz	1920-3840Hz
	Driving Type	1/21scan	1/16scan
	Signal Transmission Distance	CAT5 cable:＜100 m;	CAT5 cable:＜100 m;
		Single mode fiber:＜10 km	Single mode fiber:＜10 km
Optoelectronic parameters	Brightness (nits)	1000	1000
	Optimal Horizontal Viewing Angle	160º	160º
	Optimal Vertical Viewing Angle	110º	110º
Electrical parameters	AC Input Voltage（V）	AC 100-240V	AC 100-240V
	AC Input Power Maximum Value	105	100
	AC Input Power Typical Value	35	35
Circumstance Parameter	Storage Temperature（℃）	-40℃～-60℃	-40℃～-60℃
	Working Temperature (℃)	0℃～-40℃	0℃～-40℃
	IP rating (Front/Rear)	IP40/IP20	IP40/IP20
	Working Humidity (RH)	10%-60%non-condensing	10%-60%non-condensing
	Lifetime Typical Value（hrs）	100000	≥100000
Installation	Cabinet installation	fix	fix