

# OUTDOOR FINE PITCH

## VHRO SERIES LED DISPLAY

Leyard VHRO series is an outdoor fine pitch product with a three-in-one design of control system, HUB and power supply. The VHRO series supports grey level enhancement by adjusting parameters such as refresh and frame rate. It meets HDR10 and has a black screen screen saver to save energy. The VHRO series is designed for full front dismantling and assembling. It can be assembled at right angles or in simple cabinet curves.

### KEY FEATURES

- > Supports receiving card backup (signal loop backup technology).
- > Cabinet is seamlessly formed by one-piece die-casting, which is durable, wear-resistant, impact-resistant and anti-oxidation.
- > Support front and rear maintenance & installation.
- > With 45° cut corners and flexible module splicing.



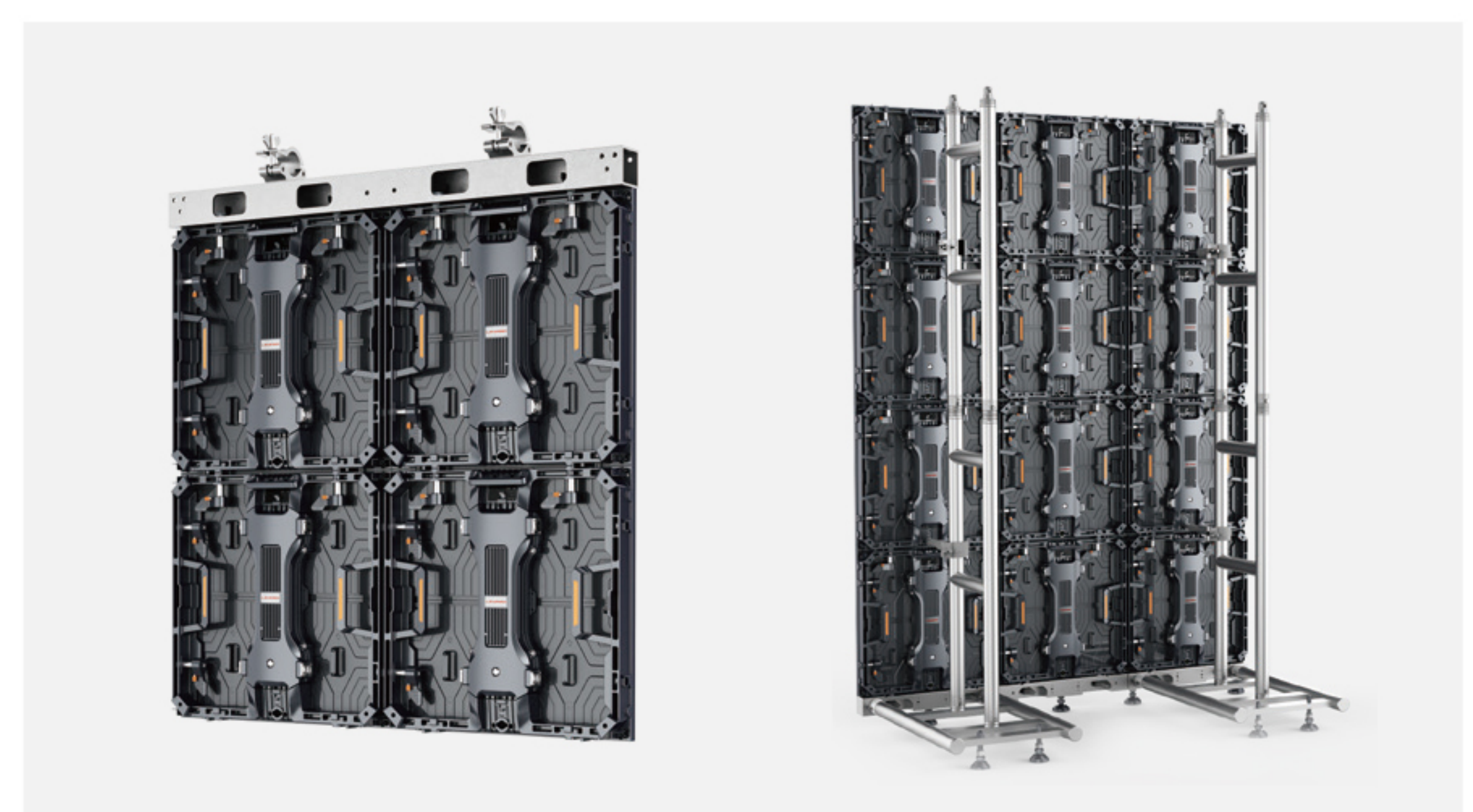
### FRONT AND REAR MAINTENANCE & INSTALLATION

Supports complete pre/post maintenance of modules, power supplies, and receiving cards, making it easy to operate.



### EASY TO INSTALL AND FLEXIBLE

It is designed for full front dismantling and assembling. It can hanging / stand mounted.



### WITH 45° CUT CORNERS

With 45° cut corners and flexible module splicing. It can be assembled at right angles or in simple cabinet curves.



### PRECISION FLATNESS

The cabinet is seamlessly formed by one-piece die-casting, which is durable, wear-resistant, impact-resistant and anti-oxidation.





## SPECIFICATIONS

Item	VHRO1.5	VHRO1.9	VHRO2.5	VHRO2.9	VHRO3.9	VHRO4.8
Pixel Configuration	SMD	SMD	SMD	SMD	SMD	SMD
Pitch (mm)	1.5625	1.97	2.5	2.97	3.91	4.84
Module Resolution (WxH)	160x160	128x128	100x100	84x84	64x64	52x52
Module Size (mm)(WxHxD)	250x250x14	250x250x14	250x250x14	250x250x14	250x250x14	250x250x14
Module Weight (Kg)	0.65	0.65	0.65	0.65	0.65	0.65
Module Composition (WxH)	2x2	2x2	2x2	2x2	2x2	2x2
Cabinet Resolution (WxH)	320x320	256x256	200x200	168x168	128x128	104x104
Cabinet Size (mm)(WxHxD)	500x500x63	500x500x63	500x500x63	500x500x63	500x500x63	500x500x63
Unit Area (㎡)	0.25	0.25	0.25	0.25	0.25	0.25
Cabinet Weight (kg/㎡)	32	32	32	32	32	32
Pixel Density (pixel/㎡)	409600	262144	160000	112896	65535	43264
Surface Flatness (mm)	≤0.3	≤0.3	≤0.3	≤0.3	≤0.3	≤0.3
Brightness Calibration	Yes	Yes	Yes	Yes	Yes	Yes
Color Calibration	Yes	Yes	Yes	Yes	Yes	Yes
Surface Technology	GOB	GOB	/	/	/	/
Brightness (nits)	3000	3500	4000	4500	5000	5000
Color Temperature (K)	3000—10000 Adjustable					
Horizontal Viewing Angle (°)	160	160	160	160	160	160
Vertical Viewing Angle (°)	160	160	160	160	140	140
Deviation of LED Luminance Center	<3%	<3%	<3%	<3%	<3%	<3%
Brightness Uniformity	≥97%	≥97%	≥97%	≥97%	≥97%	≥97%
Chromaticity Uniformity	±0.003Cx,Cy within					
Contrast Ratio	5000:1	5000:1	5000:1	5000:1	5000:1	5000:1
Max Power Consumption (W/㎡)	600	580	560	540	520	500
Average Power Consumption (W/㎡)	255	235	225	215	200	190
Power Supply	AC100V~240V					
Drive Mode	Constant current drive					
Scanning Mode	32s	32s	20s	14s	16s	13s
Frame Rate (Hz)	50&60	50&60	50&60	50&60	50&60	50&60
Refresh Rate (Hz)	3840	3840	3840	3840	3840	3840
Lifetime (hrs)	100,000	100,000	100,000	100,000	100,000	100,000
Operation Temperature (°C)	-20 -- 40	-20 -- 40	-30 -- 50	-30 -- 50	-30 --50	-30 --50
Storage Temperature (°C)	-40 -- 60	-40 -- 60	-40 -- 60	-40 -- 60	-40 -- 60	-40 -- 60
Operation Humidity (RH)	10~80% no condensation					
Storage Humidity (RH)	10~85% no condensation					

Remark: Above data is subject to change without prior notice



NOVA MEDIA 官網

## Digital Signage Application Intergration Services

諾亞媒體股份有限公司  
A 105台北市松山區南京東路四段1號7樓  
T 02-2718-2099 統編: 28469434

NOVA MEDIA CO.,LTD 7F, No.1, Sec.4, Nangjing E.Rd., Taipei, Taiwan  
產品諮詢專線: 02-2718-2099 轉150



# INDOOR FINE PITCH

## VHRI SERIES LED DISPLAY

Leyard VHRI series is an indoor fine pitch product with a three-in-one design of control system, HUB and power supply. The VHRI series supports grey level enhancement by adjusting parameters such as refresh and frame rate. It meets HDR10 and has a black screen screen saver to save energy. The VHRI series is designed for full front dismantling and assembling. It can be assembled at right angles or in simple cabinet curves.

### KEY FEATURES

- > Supports receiving card backup (signal loop backup technology).
- > Cabinet is seamlessly formed by one-piece die-casting, which is durable, wear-resistant, impact-resistant and anti-oxidation.
- > Support front and rear maintenance & installation.
- > With 45° cut corners and flexible module splicing.



### PRECISION FLATNESS

The cabinet is seamlessly formed by one-piece die-casting, which is durable, wear-resistant, impact-resistant and anti-oxidation.



### FRONT AND REAR MAINTENANCE & INSTALLATION

Supports complete pre/post maintenance of modules, power supplies, and receiving cards, making it easy to operate.



### WITH 45° CUT CORNERS

With 45° cut corners and flexible module splicing. It can be assembled at right angles or in simple cabinet curves.



### ULTRA-HIGH REFRESH RATE

To avoid the occurrence of bright lines, the LED screen is required to have low grey and high refresh rate of 3840Hz at low grey.





# SPECIFICATIONS

Item	VHRI1.5	VHRI1.9	VHRI2.5	VHRI2.9	VHRI3.9
Pixel Configuration	SMD	SMD	SMD	SMD	SMD
Pitch (mm)	1.5625	1.97	2.5	2.97	3.91
Module Resolution (WxH)	160x160	128x128	100x100	84x84	64x64
Module Size (mm)(WxHxD)	250x250x14	250x250x14	250x250x14	250x250x14	250x250x14
Module Weight (Kg)	0.65	0.65	0.65	0.65	0.65
Module Composition (WxH)	2x2	2x2	2x2	2x2	2x2
Cabinet Resolution (WxH)	320x320	256x256	200x200	168x168	128x128
Cabinet Size (mm)(WxHxD)	500x500x63	500x500x63	500x500x63	500x500x63	500x500x63
Unit Area (m <sup>2</sup> )	0.25	0.25	0.25	0.25	0.25
Cabinet Weight (kg/m <sup>2</sup> )	32	32	32	32	32
Pixel Density (pixel/m <sup>2</sup> )	409600	262144	160000	112896	65535
Surface Flatness (mm)	≤0.3	≤0.3	≤0.3	≤0.3	≤0.3
Brightness Calibration	Yes	Yes	Yes	Yes	Yes
Color Calibration	Yes	Yes	Yes	Yes	Yes
Brightness (nits)	800	800	800	800	800
Color Temperature (K)	3000—10000 Adjustable				
Horizontal Viewing Angle (° )	160	160	160	160	160
Vertical Viewing Angle (° )	160	160	160	160	140
Deviation of LED Luminance Center	<3%	<3%	<3%	<3%	<3%
Brightness Uniformity	≥97%	≥97%	≥97%	≥97%	≥97%
Chromaticity Uniformity	±0.003Cx,Cy within				
Contrast Ratio	5000:1	5000:1	5000:1	5000:1	5000:1
Max Power Consumption (W/m <sup>2</sup> )	530	510	480	465	460
Average Power Consumption (W/m <sup>2</sup> )	225	205	195	185	180
Power Supply	AC100V~240V				
Drive Mode	Constant current drive				
Scanning Mode	32s	32s	25s	24s	16s
Frame Rate (Hz)	50&60	50&60	50&60	50&60	50&60
Refresh Rate (Hz)	3840	3840	3840	3840	3840
Lifetime (hrs)	100,000	100,000	100,000	100,000	100,000
Operation Temperature (°C)	-20 ~ 40	-20 ~ 40	-20 ~ 40	-20 ~ 40	-20 -- 40
Storage Temperature (°C)	-40 ~ 60	-40 ~ 60	-40 ~ 60	-40 ~ 60	-40 -- 60
Operation Humidity (RH)	10~80% no condensation				
Storage Humidity (RH)	10~85% no condensation				

Remark: Above data is subject to change without prior notice



NOVA MEDIA 官網

## Digital Signage Application Intergration Services

諾亞媒體股份有限公司  
A 105台北市松山區南京東路四段1號7樓  
T 02-2718-2099 統編: 28469434

NOVA MEDIA CO.,LTD 7F, No.1, Sec.4, Nangjing E.Rd., Taipei, Taiwan  
產品諮詢專線: 02-2718-2099 轉150