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# SONY



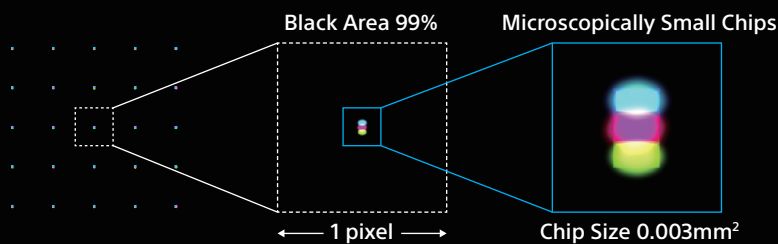
## Crystal LED Display System

ZRD-1 Display Unit / ZRCT-100 Display Controller

### Main FEATURES

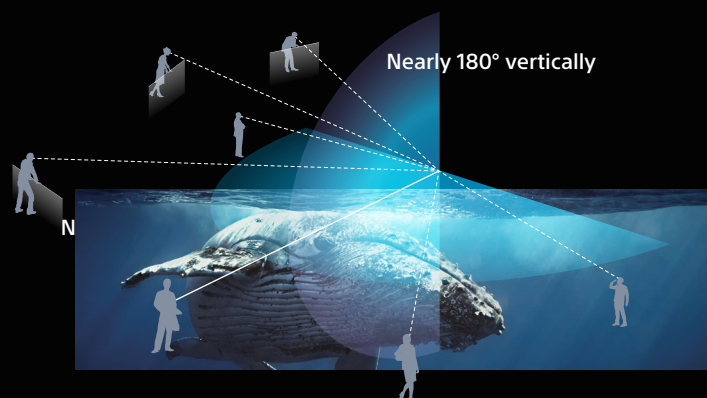
#### Outstanding High Contrast

99% black occupancy thanks to Sony's unique ultra fine LED (0.003 mm<sup>2</sup>) technology.



#### Wide viewing angle

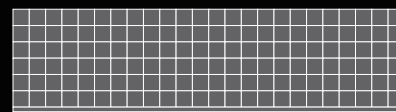
Nearly 180° without color shift and change in brightness.  
Not only horizontally but also vertically.



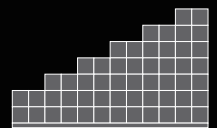
#### Fine Seamless Alignment

No seam, no bezel thanks to highly accurate alignment and uniformity adjustment.  
Free Style Combination, Free Size Installation, Free Aspect Ratio.

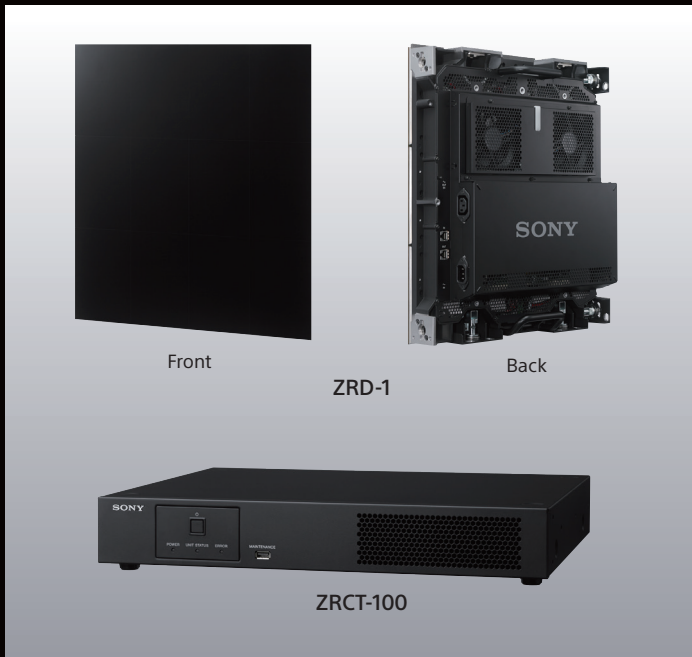
#### Installation Example



144 units (8K x 2K)



## Specifications



### ZRD-1 (Display Unit)

Brightness	Max 1,000 cd/m <sup>2</sup>
Contrast ratio	More than 1,000,000 : 1
Viewing angle	Almost 180°
Display native color space	140% wider than sRGB
Application	Indoor
Power consumption	Max 200W (per unit) Average 100W (per unit)
Dimensions (W x H x D)	403.2 x 453.6 x 100 mm 15 7/8 x 17 7/8 x 4 inches
Mass	10.0kg 22lb 0.74oz

### ZRCT-100 (Display Controller)

Maximum control number of display unit	72 (6unit/1port x 12port)
Maximum input resolution	W3840 x H2160
Video input	DVI-D (Single link) x 4* Display port (DP1.2) x 2
Maximum linkage number of controller	20
Power consumption	90W
Dimensions (W x H x D)	440 x 65 x 349 mm (without protrusions) 17 3/8 x 2 5/8 x 13 3/4 inches (without protrusions)
Mass	6.3 kg 13 lb 14.2 oz

\* HDCP Compliant

## Input Signal

### DisplayPort (Single Input)

Resolution	Input frame rate*1	Color bit depth	Input color sampling
3840 x 2160*2	60P/50P/30P/25P/24P	8/10bit	RGB 4:4:4
1920 x 2160	120P*2/100P*2/60P/30P/25P/24P		
1920 x 1080	120P/100P/60P/50P/30P		

### DisplayPort (Dual Input)

Resolution	Input frame rate*1	Color bit depth	Input color sampling
3840 x 2160*3	120P/100P	8/10bit	RGB 4:4:4

### DVI (1 Input)

Resolution	Input frame rate*1	Color bit depth	Input color sampling
1920 x 1080	60P/50P/30P/25P/24P	8bit	RGB 4:4:4

### DVI (4 Input)

Resolution	Input frame rate*1	Color bit depth	Input color sampling
3840 x 2160*4	60P/50P/30P/25P/24P	8bit	RGB 4:4:4

\*1: 1,000/1,001 frame rate is also supported.  
\*2: Only multi-stream is supported.  
\*3: Supported by two input signals of 1920 x 2160, 120P.  
\*4: Supported by four input signals of 1920 x 1080.

## Applications



Industrial Design



Digital Show Room



Board Room



Museum



Medical



Theme Park

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