SONY
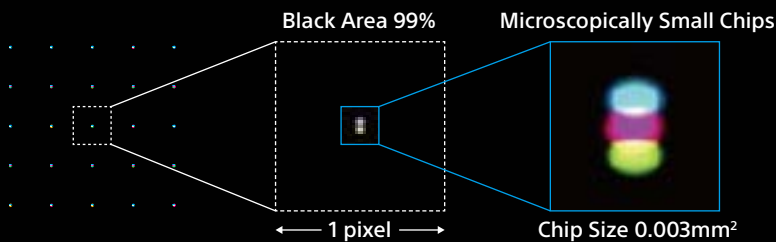
Crystal LED Display System

Main Features
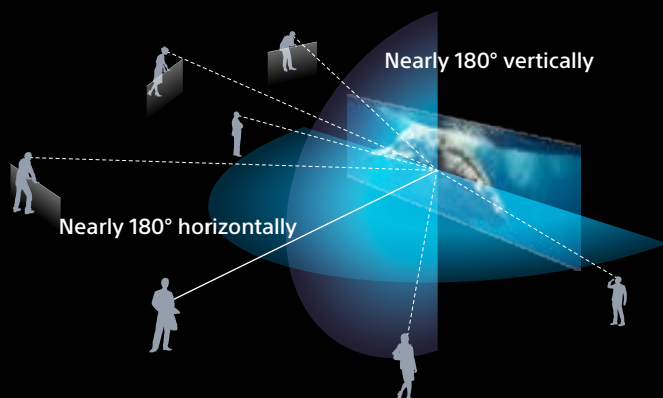
Outstanding High Contrast
99% black occupancy thanks to Sony's unique ultra fine LED (0.003 mm^2) technology.

Black Area 99% Microscopically Small Chips
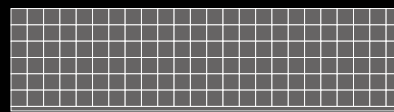
← 1 pixel → Chip Size 0.003mm^2

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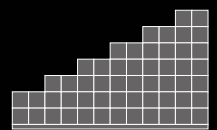
Nearly 180° vertically

Nearly 180° horizontally

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)

TRILUMINOS DISPLAY

Specifications

Front | Back
Display Unit

Display Controller

Display Unit

Model	ZRD-2	ZRD-1
Surface	Low-Reflection	Clear Finish
Brightness	Max 1,000 cd/m²	
Contrast ratio	More than 1,000,000 : 1	
Viewing angle	Almost 180°	
Display native color space	140% of 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	

Display Controller

Model	ZRCT-200	ZRCT-100
Maximum control number of display unit	72 (6unit/1port x 12port)	
Maximum input resolution	W3840 x H2160	
Video input	HDMI 2.0 x 2 HDCP Compliant, DisplayPort (DP1.2) x 2	DVI-D (Single Link) x 4*, DisplayPort (DP1.2) x 2
Maximum linkage number of controller	20	
Power comsumption	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

HDMI (ZRCT-200)

Resolution	Input frame rate*1	Input bit depth	Input color sampling
3840 x 2160	60P/50P	8bit	RGB 4:4:4*2/YCbCr 4:4:4*2/ YCbCr 4:2:0
	60P/50P	12bit	YCbCr 4:2:2*2
	30P/25P/24P	12/10bit	RGB 4:4:4*2/YCbCr 4:4:4*2
	30P/25P/24P	8bit	RGB 4:4:4/YCbCr 4:4:4
	30P/25P/24P	12bit	YCbCr 4:2:2
1920 x 1080	60P/50P/30P/25P/24P	12/10/8bit	RGB 4:4:4/YCbCr 4:4:4/YCbCr 4:2:2*3
1280 x 720	60P/50P		
1024 x 768	60P		
800 x 600	60P		
720 x 480	60P		
720 x 576	50P		
640 x 480	60P		

*1: 1,000/1,001 frame rate is also supported for 60p/30p/24p.
*2: Strongly recommend using premium high speed HDMI cables.
*3: 12bit only

DisplayPort : Single Input (ZRCT-200 / ZRCT-100)

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 (ZRCT-200 / ZRCT-100)

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 (ZRCT-100)

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 (ZRCT-100)

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

Corporate Lobby