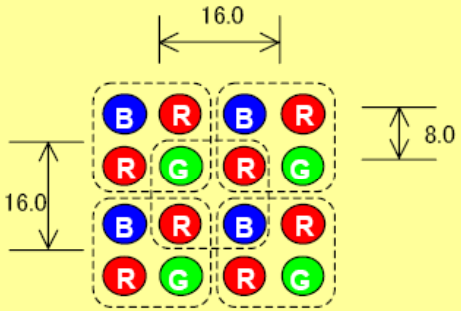
DIAMOND VISION

Full-colour outdooor display modules

SYSTEMS INTEGRATION BY: technographic displays

MODEL		DIAMOND VISION AVL-OD8				
Basic Specifications	Display Device	LED				
	LED Pixel Arrangement and Layout of Color Pixel	 Unit : mm				
	Pixel Pitch	16 mm (Equivalent to 11.3 mm with Dynamic Pixel Control)				
	Pixel Density	15,625 dots / sq. m				
	Max. Brightness	5,000 cd/sq. m				
	Image Processing	Progressive Scan Converter + Interpolation				
	Grey Scale Processing	4,096 Steps (12 bits)				
	Brightness Adjustment Level	64 Steps (6 bits)				
	Viewing Angle	H : 130 degree (+/- 65 degree) , V : + 15 /- 30 degree				
	Minimum Viewing Distance	more than 6 m				
	Power Consumption (avg.) *1	0.6 kW/sq. m				
	Power Requirement *2	1.1 kVA/sq.m (3-Phase 3-Wire + Earth AC200 to AC240 V 50/60Hz)				
	Required Cooling Capacity	0.55 kW/sq. m				
	Brightness Reduction Time Up To Half of Initial Value Under Normal Condition	50,000 hr				
Standard Module	Screen Size	1.05 sq. m	=	1.024 m (H)	x	1.024 m (W)
	Number of Lighting Unit	16	=	4 (H)	x	4 (W)
	Resolution	16,384 dots	=	128 dots (H)	x	128 dots (W)
	One Module Mass	Approx.		85 kg (metric)		
Supplementary Module A	Screen Size	0.26 sq. m	=	0.512 m (H)	x	0.512 m (W)
	Number of Lighting Unit	4	=	2 (H)	x	2 (W)
	Resolution	4,096 dots	=	64 dots (H)	x	64 dots (W)
	One Module Mass	Approx.		35 kg (metric)		
Supplementary Module B	Screen Size	0.52 sq. m	=	1.024 m (H)	x	0.512 m (W)
	Number of Lighting Unit	8	=	4 (H)	x	2 (W)
	Resolution	8,192 dots	=	128 dots (H)	x	64 dots (W)
	One Module Mass	Approx.		56 kg (metric)		
Supplementary Module C	Screen Size	0.52 sq. m	=	0.512 m (H)	x	1.024 m (W)
	Number of Lighting Unit	8	=	2 (H)	x	4 (W)
	Resolution	8,192 dots	=	64 dots (H)	x	128 dots (W)
	One Module Mass	Approx.		56 kg (metric)		

*1: Power consumption is based on 100 % brightness at 30 % duty (=video display).

*2: Power requirement is a value at the time of operating an APS (Auto Power consumption control System) function.