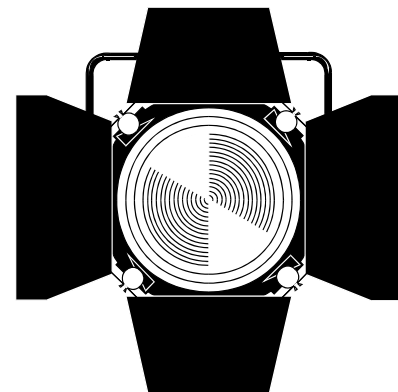


VIKING

STAGE LIGHTING

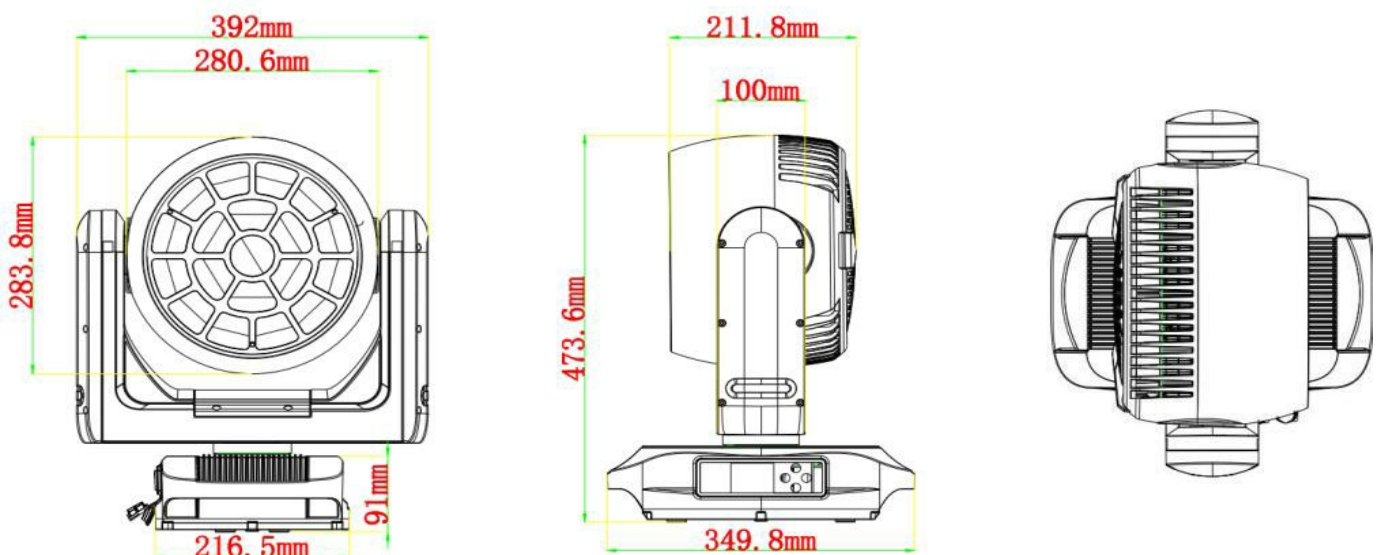


VK1950 COSMO

Technical Specifications

Input Voltage: AC 100 ~ 240V, 50/60Hz
Power Consumption: 950 W maximum
Beam Angle: 6° to 50°
Light Source: 19x50W RGBW 4in1 LED
LED strip: 210PCS RGB 3in1 LED
Extremely long life: < 40,000H
Pan movement: 540° (16bit)
Tilt movement: 270° (16bit)
DMX modes: 26/50/50/127 channels
Dimmer: Electronic dimmer from 0 to 100%
Strobe effect: 1 to 20 flashes per second
Display :Graphic LCD display with flip function
IP65 XLR 3-pin connector
IP65 etherCON RJ45 connectors
IP65 powerCON TRUE1 connector
DMX 512 protocol.
DMX-RDM compatible
Stand-alone mode, local control panel
ArtNet™ & SACN protocol
Advanced liquid cooling system
Selectable ventilation user modes
Excess temperature protection
IP66 protection rating
Mounting on 2 Foldable Pro Hook Clamps on Base
Maximum permitted: 45°C (113°F)
Minimum permitted: -18°C (-4°F)
Minimum usage distance: 2 m (6.56 ft)
Product: 216 x 349 x 473mm (L x H x D)
Net weight: 17.4 kg inc folding hook clamps

Dimensions



Control Menu

[BACK] menu selection or return to previous menu.

[UP] press [UP] through the menu list to increase/change the value of the current function.

[DOWN] press [DOWN] through the menu list to decrease/change the value of the current function.

[RIGHT] press [RIGHT] through the menu list to increase/change the value of the current function.

[OK] confirm & quit out current function setting.

System Setting				Description	
DMX Address	1-512			DMX address setting	
LED DMX Address	1-512			LED DMX address	
DMX Channel Mode	26CH			DMX channel mode selection	
	50CH1				
	50CH2				
	127CH				
Operation Mode	DMX			DMX512	
	Artnet			Artnet	
	Artnet+DMX			Artnet+DMX 512	
	Effect 1			Auto mode1	
	Effect 2			Auto mode2	
Network Setting	DHCH	Off/On		DHCP	
	IP Setting	IP address	xxx.xxx.xxx.xxx	IP address setting	
		Sub-Net Mask	255.000.000.00 0		Sub-Net mask
			255.255.000.00 0		
	Artnet Setting	Network	0-127		
		Sub-Net	0-15		
		Data packet	0-15		
	SACN Setting	Data Packet	1-32000		
		Priority	0-200		
	Protocol selection	Auto			
		Artnet			
sACN					
Pan Reverse	No/Yes			Pan Reverse	

				movement
Tilt Reverse	No/Yes			Tilt Reverse movement
Encoder Calibration	No/Yes			Calibrate and adjust the effects to standard/right position
Fan Mode	Auto			Fan mode selection
	Low speed			
	High speed			
Signal Hold	Clear/Hold			Signal hold selection
Dimmer	Slow/Fast			Dimmer speed selection
Dimmer Curve	Linear			Dimmer Curve
	Square Law			
	Inverse Square Law			
	S-Curve			
Dimmer Frequency	1.2kHz			Dimmer frequency
	2.4kHz			
	16kHz			
	20kHz			
Flip Display	Off/On			Screen flip
Backlight Control	Off/On			Backlight control
Auto Key Lock	Off/On			Auto key lock
Language Selection	Chinese/English			Language selection
Temperature	°C/°F			Temp Unit (°C/°F)
Reset Default	Off/On			Restore factory set
Manual Control				
Control	26CH			Channel-Based display
	50CH1			
	50CH2			
	127CH			
White Balance Setting				
Red	0-255			
Green	0-255			
Blue	0-255			
White	0-255			
System Test				

Effect 1				Test effect
Effect 2				
System Reset				
All	No/Yes			Reset All
Pan&Tilt	No/Yes			Reset Pan&Tilt
Zoom	No/Yes			Reset Zoom
System Information				
Software Ver	Display:	Vxx.xx		Display version
	Motor:	Vxx.xx		Motor version
	LED board:	Vxx.xx		LED board version
RDM Info	0XXXXXXXXXXXX			RDM UID
Humidity	x%			Humidity
Temp. Info	LED	xx°C/xx°F		LED board temperature
	Base	xx°C/xx°F		Base temperature
Channel Test				DMX channel value testing
Error Info				Error Info display

DMX Channels

Channel Mode				Function Description	DMX Value	
26CH	50CH-1	50CH-2	127CH			
1	1	1	1	Pan 8bit	0-255	
2	2	2	2	Pan Fine 16bit: Fine control pan-movement	0-255	
3	3	3	3	Tilt 8bit	0-255	
4	4	4	4	Tilt Fine 16bit: Fine control tilt-movement	0-255	
5	5	5	5	Pan&Tilt Speed: Maximum to minimum	0-255	
6	6	6	6	Reserved	0-255	
7	7	7	7	Reserved	0-255	
8	8	8	8	Red - Main light / Control backlight when effect is on	0-255	
				red (0-black, 255-100% red)		
9	9	9	9	Red Fine- Main light / Control backlight when effect is on	0-255	
				red fine-tuning(0-black, 255-100% red)		
10	10	10	10	Green - Main light / Control backlight when effect is on	0-255	
				green (0-black, 255-100% green)		
11	11	11	11	Green Fine - Main light / Control backlight when effect is on	0-255	
				green fine-tuning(0-black, 255-100% green)		
12	12	12	12	Blue - Main light / Control backlight when effect is on	0-255	
				blue(0-black, 255-100% blue)		
13	13	13	13	Blue Fine - Main light / Control backlight when effect is on	0-255	
				blue fine-tuning(0-black, 255-100% blue)		
14	14	14	14	White - Main light / Control backlight when effect is on	0-255	
				white (0-black, 255-100% white)		
15	15	15	15	White Fine - Main light / Control backlight when effect is on	0-255	
				white fine-tuning(0-black, 255-100% white)		
16	16	16	16	Strobe	OFF	0-31
					ON	32-63
					Slow to fast	64-95
					ON	96-127
					Strobe Pulse (slow to fast)	128-159
					ON	160-191
					Random Strobe (slow to fast)	192-223
					ON	224-255

17	17	17	17	Dimmer: intensity 0 to 100%		0-255
18	18	18	18	Dimmer Fine		0-255
19	19	19	19	Colour Temperature	No function	0-21
					10000K	22-31
					9600K	32-41
					9200K	42-51
					8800K	52-61
					8400K	62-71
					8000K	72-81
					7600K	82-91
					7200K	92-101
					6800K	102-111
					6400K	112-121
					6000K	122-131
					5600K	132-141
					5200K	142-151
					4800K	152-161
					4600K	162-171
					4200K	172-181
					3800K	182-191
					3600K	192-201
					3400K	202-211
3200K	212-221					
3000K	222-231					
2800K	232-241					
2600K	242-251					
2500K	252-255					
20	20	20	20	Colour Preset: base on the colour preset table		0-206
21	21	21	21	Colour Presets & Main Light Colour RGBW	Output main light colour RGBW	0
					Crossfade output	1-254
					Output preset color	255
22	22	22	22	Crossfade Between Colour Preset	No Fade	0-4
					Crossfade between two preset colours	4-255
					100ms to 5s	
23	23	23	23	Zoom : narrow to wide		0-255
24	24	24	24	Zoom Fine		0-255
25	25	25	25	Reserved		0-255
26	26	26	26	Macro Function	No function	0-4
					Display-Off	5-9
					Display-On	10-14
					Display invert-Off	15-19
					Display invert-On	20-24
					Fan control - Auto	25-26
					Fan control-High speed	27-28

					Fan Control-Low speed	29-30
					Reserved	31-32
					Reserved	33-34
					Reserved	35-36
					Reserved	37-44
					Dimmer curve -Square	45-49
					Dimmer curve - Linear	50-54
					1.2K	55-57
					2.4K	58-60
					16K	61-63
					25K	64-69
					Dimmer Curve - Inverse Square Law	70-71
					Dimmer curve-S curve	72-73
					Dimming mode - slow	74-75
					Dimming Mode - Fast	76-77
					Reserved	78-79
					Reset All	80-84
					Reset Pan&Tilt	85-87
					Reset Zoom	88-90
					Reserved	91-255
					Effect OFF	0-9
					Effect 1	10-15
					Effect 2	16-23
					Effect 3	24-31
					Effect 4	32-39
					Effect 5	40-47
					Effect 6	48-55
					Effect 7	56-63
					Effect 8	64-71
					Effect 9	72-79
					Effect 10	80-87
					Effect 11	88-95
					Effect 12	96-103
					Effect 13	104-111
					Effect 14	112-119
					Effect 15	120-127
					Effect 16	128-135
					Effect 17	136-143
					Effect 18	144-151
					Effect 19	152-159
					Effect 20	160-167
					Effect 21	168-175
					Effect 22	176-183
					Effect 23	184-191
					Effect 24	192-199
	27	27	27	Main Light Pattern Effect		

					Effect 25	200-207
					Effect 26	208-215
					Effect 27	216-223
					Effect 28	224-231
					Effect 29	232-239
					Effect 30	240-247
					Effect 31	248-255
	28	28	28	Main Light	Reverse fast to slow	0-125
				Pattern Effect	Stop (speed=0)	126-130
				Speed	Forward slow to fast	131-255
	29	29	29	Main Light Pattern Fade: Fade Chase		0-255
	30	30	30	Main Light Pattern Size: Chase category		0-255
	31	31	31	Pattern Effect - Red: red (0-black , 255-100% red)		0-255
	32	32	32	Pattern Effect - Green: green (0-black , 255-100% green)		0-255
	33	33	33	Pattern Effect - Blue: blue (0-black , 255-100% blue)		0-255
	34	34	34	Pattern Effect - White: white (0-black , 255-100% white)		0-255
	35	35	35	Pattern Effect Dimmer: Intensity (0-black, 255-100%)		0-255
	36	36	36	Pattern Effect Backlight Dimmer: Inactive when effect is Off		0-255
				Intensity(0-100%, 255-0%)		
	37	37	37	Pattern Effect Strobe	OFF	0-31
					ON	32-63
					Strobe slow to fast	64-95
					ON	96-127
					Strobe Pulse (slow to fast)	128-159
					ON	160-191
					Random Strobe (slow to fast)	192-223
					ON	224-255
	38		38	Auxiliary Light Effect Control	Auxiliary light channel control effect	0-9
					Follow main light	10-19
					ARTNET or SACN control	20-29
					Reserved	30-255
	39		39	Auxiliary Light Effect Dimming: Intensity 0 to 100%		0-255
	40		40	Auxiliary Light Effect Dimming Fine-Tuning		0-255
	41		41	Auxiliary Light Effect -Red: red (0-black, 255-100% red)		0-255
				Auxiliary Light Effect -Green: green (0-black, 255-100% green)		
	42		42	Auxiliary Light Effect -Blue: blue (0-black, 255-100% blue)		0-255
				Auxiliary Light Effect -Blue: blue (0-black, 255-100% blue)		

				Auxiliary Light Effect	Effect Off	0-9
					Effect 1	10
					Effect 2	11-12
				
					Effect 122	253-254
					Effect 123	255
	45		45	Reserved	Reserved	0-255
	46		46	Auxiliary Light Effect Speed	Reverse fast to slow	0-125
					Stop (speed=0)	126-130
					Forward slow to fast	131-255
	47		47	Auxiliary Light Effect Backlight Dimmer: Intensity 0 to 100%		0-255
	48		48	Auxiliary Light Effect Backlight -Red: red (0-black, 255-100% red)		0-255
				Auxiliary Light Effect Backlight -Green: green (0-black, 255-100% green)		
	49		49	Auxiliary Light Effect Backlight -Blue: blue (0-black, 255-100% blue)		0-255
				Auxiliary Light Effect Backlight -Blue: blue (0-black, 255-100% blue)		
		38	51	Point-controlled Crossfade: main light RGBW and point-controlled Crossfade output		0-255
				Point Control		
		39		Ring 1 Red: Red (0-black , 255-100% red)		0-255
		40		Ring 1 Green: Green (0-black , 255-100% green)		0-255
		41		Ring 1 Blue: Blue (0-black , 255-100% blue)		0-255
		42		Ring 1 White: White (0-black , 255-100% white)		0-255
		43		Ring 2 Red: Red (0-black , 255-100% red)		0-255
		44		Ring 2 Green: Green (0-black , 255-100% green)		0-255
		45		Ring 2 Blue: Blue (0-black , 255-100% blue)		0-255
		46		Ring 2 White: White (0-black , 255-100% white)		0-255
		47		Ring 3 Red: Red (0-black , 255-100% red)		0-255
		48		Ring 3 Green: Green (0-black , 255-100% green)		0-255
		49		Ring 3 Blue: Blue (0-black , 255-100% blue)		0-255
		50		Ring 2 White: White (0-black , 255-100% white)		0-255
			52	Red 1: Red (0-black , 255-100% red)		0-255
			53	Green 1: Green (0-black , 255-100% green)		0-255
			54	Blue 1: Blue (0-black , 255-100% blue)		0-255
			55	White 1: White (0-black , 255-100% white)		0-255
			56	Red 2: Red (0-black , 255-100% red)		0-255
			57	Green 2: Green (0-black , 255-100% green)		0-255
			58	Blue 2: Blue (0-black , 255-100% blue)		0-255
			59	White 2: White (0-black , 255-100% white)		0-255
		
			124	Red 19: Red (0-black , 255-100% red))		0-255
			125	Green 19: Green (0-black , 255-100% green)		0-255
			126	Blue 19: Blue (0-black , 255-100% blue)		0-255
			127	White 19: White (0-black , 255-100% white)		0-255