



MTV Asia Aid • MiPIX



U2 Vertigo Tour • MiSPHERE

BARCO MiPIX - MiSPHERE

MiPIX is a modular intelligent LED pixel block manufactured by Barco, which measures only 4 cm by 4 cm. A revolution in the LED market, its small size and shape allow it to be used to create intelligent lighting effects on large scale backdrops of any form, shape or size, while also offering the possibility of full video content on 3D logos or other free-form shapes. The MiPIX blocks further facilitate the construction of large scale backdrops by the fact that they can be spaced apart at various distances, making the pixel blocks a cost effective medium for ultra large applications.

MiSPHERE was designed and developed by Barco especially for the Vertigo Tour of U2. This tiny, plastic encased LED spherical module takes the use of LED technology in the concert and staging market to a new level. With 360-degree viewing angles, opaque, light-diffusing casing and the ability to play both full video and data, MiSPHERE bridges the gap between existing video and lighting products. Individual MiSPHERES are daisy chained into a string, with several strings in turn forming a 3D visualization curtain. Each MiSPHERE acts as a pixel within the curtain, making it possible to display images and simulate lighting effects across the entire curtain.

BARCO MiPIX - MiSPHERE

TECHNICAL SPECIFICATIONS

	Barco MiPIX	Barco MiPIX Frame	Barco MiSPHERE
Type indoor/outdoor.....	<i>indoor</i>	<i>indoor</i>	<i>indoor/outdoor</i>
Module size WxHxD.....	<i>40.3 x 40.3 x 22 mm</i>	<i>896 x 896 x 186 mm</i>	<i>60 x 160 x 60 mm</i>
Weight.....	<i>34 g</i>	<i>25 kg</i>	<i>135 g</i>
LEDS per pixel.....	<i>3-in-1 SMD - 4/block</i>		<i>3-in-1 SMD - 4/pixel</i>
Pixel pitch/effective pitch.....	<i>20 mm</i>		<i>160 mm</i>
Pixel density.....		<i>121 blocks/frame 11x11</i>	<i>39/m²</i>
Refresh rate.....	<i>1045 Hz</i>		
Colours.....	<i>14 bit</i>	<i>14 bit</i>	
Brightness.....	<i>1300 NIT</i>		
Viewing angle hor/vert.....	<i>145° / 145°</i>	<i>145° / 145°</i>	<i>360°</i>
Power consumption (max).....	<i>1.2 Watt/block</i>	<i>145 Watt/frame</i>	<i>1.2 Watt/sphere</i>

MiPIX Module



MiPIX Frame



MiSPHERE

