

Specification for 4mm Cabinet

Issued on: 4-Jan-08

Revised on: 10-Mar-10

1. Specs

Technical Terms		Details
Module	Pixel Composition(LED)	1 Red 1 Green 1 Blue
	Pixel Pitch	4.572mm
	Physical Density	47,840 pixels/m ²
	Size	7.2"H x 7.2"W (182.88mmH x 182.88mmW)
	Resolution	40 x 40
	Color	281 Trillion
	Grey Scale	≥16.7 Millon (Synchronized)
Controller/ Driver	Brightness(NIT)	≥1,700NITs
	Module Power	20 Watts
	Processing Depth	16 bits
	Refresh Rate	≥400Hz/sec.
	Video Frame Rate	≥60Hz/sec.
	IC (Driving IC)	MBI5024
	Driving Method	1/8 Scan at Constant Current
LED	Power Supply	Japanese TDK Lambda with UL/CE certification
	Grade	Super Intensity
	LED Type	Oval Shape (4mm x 5mm)
	LED Wavelength	Red: 625-628nm Green: 520-525nm Blue: 465-475nm
	LED Encapsulation	SMD3528
	Viewing angle	120° (Horiz.) / 120° (Vert.)
	Brightness Control	256 Levels of each color (Manually) 8 Leves of each color (Automatically)
Set	Color Temperature	6,500°K
	Input Voltage / Freq.	110-220VAC ±10% (50-60Hz)
	Power Consumption	450 Watts
	Cabinet Resolution	160 x 120
	Cabinet size(case/mm)	21.6"H x 28.8"W (548.6mmH x 731.5mmW)
	Cabinet Weight	44.1lbs (20kg)
	Panel Material	Epoxy Paint Coated Steel
	Ingress Protection	IP30
	Viewing Distance	14.8ft (4.5m)
	Operating Temp.	0°C - +45°C (+32°F - +113°F)
	Storage Temp.	-20°C - +45°C (-4°F - +113°F)
	Opt & Storage Hum.	10% - 90% RH
	Lifetime	≥100,000 Hours
	Input Signals	RF, S-Video, RGBHV, YUV, YC and Composition
	Avg. Time of No Failure	≥5,000 Hours
	Transmitting	Transmitting distance between PC & Screen
	Control System	PCTV non-linear editing card DVI display card
Rigging Form	Fix with 4pcs M10 bolts	
Warranty	5 Years	

Specification for 5mm Cabinet

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1. Specs

Technical Terms		Details
Module	Pixel Composition(LED)	1 Red 1 Green 1 Blue
	Pixel Pitch	5mm
	Physical Density	40,000 pixels/m ²
	Size	3.15"H x 6.3"W (80mmH x 160mmW)
	Resolution	16 x 32
	Color	281 Trillion
	Grey Scale	≥16.7 Millon (Synchronized)
	Brightness(NIT)	≥1,500NITs
	Module Power	40 Watts
Controller/ Driver	Processing Depth	16 bits
	Refresh Rate	≥400Hz/sec.
	Video Frame Rate	≥60Hz/sec.
	IC (Driving IC)	MBI5024
	Driving Method	1/8 Scan at Constant Current
	Power Supply	Japanese TDK Lambda with UL/CE certification
	LED	Grade
LED Type		Oval Shape (4mm x 5mm)
LED Wavelength		Red: 625-628nm Green: 520-525nm Blue: 465-475nm
LED Encapsulation		SMD
Viewing angle		120° (Horiz.) / 120° (Vert.)
Brightness Control		256 Levels of each color (Manually) 8 Leves of each color (Automatically)
Color Temperature		6,500°K
Set	Input Voltage / Freq.	110-220VAC ±10% (50-60Hz)
	Power Consumption	680 Watts
	Cabinet Resolution	128 x 128
	Cabinet size(case/mm)	25.2"H x 25.2"W (640mmH x 640mmW)
	Cabinet Weight	88.2lbs (40kg)
	Panel Material	Epoxy Paint Coated Steel
	Ingress Protection	IP30
	Viewing Distance	16.4ft (5m)
	Operating Temp.	0°C - +45°C (+32°F - +113°F)
	Storage Temp.	-20°C - +45°C (-4°F - +113°F)
	Opt & Storage Hum.	10% - 90% RH
	Lifetime	≥100,000 Hours
	Input Signals	RF, S-Video, RGBHV, YUV, YC and Composition
	Avg. Time of No Failure	≥5,000 Hours
	Transmitting	Transmitting distance between PC & Screen
	Control System	PCTV non-linear editing card DVI display card
Rigging Form	Fix with 4pcs M10 bolts	
Warranty	5 Years	

Specification for 6mm Cabinet

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1. Specs

Technical Terms		Details
Module	Pixel Composition(LED)	1 Red 1 Green 1 Blue
	Pixel Pitch	6mm
	Physical Density	27,777 pixels/m ²
	Size	7.6"H x 7.6"W (192mmH x 192mmW)
	Resolution	32 x 32
	Color	281 Trillion
	Grey Scale	≥16.7 Millon (Synchronized)
	Brightness(NIT)	≥1,300NITs
	Module Power	48 Watts
Controller/ Driver	Processing Depth	16 bits
	Refresh Rate	≥400Hz/sec.
	Video Frame Rate	≥60Hz/sec.
	IC (Driving IC)	MBI5024
	Driving Method	1/8 Scan at Constant Current
	Power Supply	Japanese TDK Lambda with UL/CE certification
LED	Grade	Super Intensity
	LED Type	Oval Shape (4mm x 5mm)
	LED Wavelength	Red: 625-628nm Green: 520-525nm Blue: 465-475nm
	LED Encapsulation	SMD
	Viewing angle	120° (Horiz.) / 120° (Vert.)
	Brightness Control	256 Levels of each color (Manually) 8 Leves of each color (Automatically)
	Color Temperature	6,500°K
Set	Input Voltage / Freq.	110-220VAC ±10% (50-60Hz)
	Power Consumption	800 Watts
	Cabinet Resolution	128 x 128
	Cabinet size(case/mm)	30.2"H x 30.2"W (768mmH x 768mmW)
	Cabinet Weight	88.2lbs (40kg)
	Panel Material	Epoxy Paint Coated Steel
	Ingress Protection	IP30
	Viewing Distance	19.7ft (6m)
	Operating Temp.	0°C - +45°C (+32°F - +113°F)
	Storage Temp.	-20°C - +45°C (-4°F - +113°F)
	Opt & Storage Hum.	10% - 90% RH
	Lifetime	≥100,000 Hours
	Input Signals	RF, S-Video, RGBHV, YUV, YC and Composition
	Avg. Time of No Failure	≥5,000 Hours
	Transmitting	Transmitting distance between PC & Screen
	Control System	PCTV non-linear editing card DVI display card
Rigging Form	Fix with 4pcs M10 bolts	
Warranty	5 Years	

Specification for 7.62mm Cabinet

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1. Specs

Technical Terms		Details
Module	Pixel Composition(LED)	1 Red 1 Green 1 Blue
	Pixel Pitch	7.62mm
	Physical Density	17,222 pixels/m ²
	Size	4.8"H x 9.6"W (122mmH x 244mmW)
	Resolution	16 x 32
	Color	281 Trillion
	Grey Scale	≥16.7 Millon (Synchronized)
	Brightness(NIT)	≥1,100NITs
	Module Power	25 Watts
Controller/ Driver	Processing Depth	16 bits
	Refresh Rate	≥400Hz/sec.
	Video Frame Rate	≥60Hz/sec.
	IC (Driving IC)	MBI5024
	Driving Method	1/8 Scan at Constant Current
	Power Supply	Japanese TDK Lambda with UL/CE certification
	LED	Grade
LED Type		Oval Shape (4mm x 5mm)
LED Wavelength		Red: 625-628nm Green: 520-525nm Blue: 465-475nm
LED Encapsulation		SMD
Viewing angle		120° (Horiz.) / 120° (Vert.)
Brightness Control		256 Levels of each color (Manually) 8 Leves of each color (Automatically)
Color Temperature		6,500°K
Set	Input Voltage / Freq.	110-220VAC ±10% (50-60Hz)
	Power Consumption	850 Watts
	Cabinet Resolution	128 x 128
	Cabinet size(case/mm)	38.4"H x 38.4"W (976mmH x 976mmW)
	Cabinet Weight	92.6lbs (42kg)
	Panel Material	Epoxy Paint Coated Steel
	Ingress Protection	IP30
	Viewing Distance	24.6ft (7.5m)
	Operating Temp.	0°C - +45°C (+32°F - +113°F)
	Storage Temp.	-20°C - +45°C (-4°F - +113°F)
	Opt & Storage Hum.	10% - 90% RH
	Lifetime	≥100,000 Hours
	Input Signals	RF, S-Video, RGBHV, YUV, YC and Composition
	Avg. Time of No Failure	≥5,000 Hours
	Transmitting	Transmitting distance between PC & Screen
	Control System	PCTV non-linear editing card DVI display card
Rigging Form	Fix with 4pcs M10 bolts	
Warranty	5 Years	

Specification for 10mm Cabinet

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1. Specs

Technical Terms		Details
Module	Pixel Composition(LED)	1 Red 1 Green 1 Blue
	Pixel Pitch	10mm
	Physical Density	10,000 pixels/m ²
	Size	6.3"H x 12.6"W (160mmH x 320mmW)
	Resolution	16 x 32
	Color	281 Trillion
	Grey Scale	≥16.7 Millon (Synchronized)
	Brightness(NIT)	≥800NITs
	Module Power	30 Watts
Controller/ Driver	Processing Depth	16 bits
	Refresh Rate	≥400Hz/sec.
	Video Frame Rate	≥60Hz/sec.
	IC (Driving IC)	MBI5024
	Driving Method	1/8 Scan at Constant Current
	Power Supply	Japanese TDK Lambda with UL/CE certification
	LED	Grade
LED Type		Oval Shape (4mm x 5mm)
LED Wavelength		Red: 625-628nm Green: 520-525nm Blue: 465-475nm
LED Encapsulation		SMD
Viewing angle		120° (Horiz.) / 120° (Vert.)
Brightness Control		256 Levels of each color (Manually) 8 Leves of each color (Automatically)
Color Temperature		6,500°K
Set	Input Voltage / Freq.	110-220VAC ±10% (50-60Hz)
	Power Consumption	550 Watts
	Cabinet Resolution	96 x 96
	Cabinet size(case/mm)	37.8"H x 37.8"W (960mmH x 960mmW)
	Cabinet Weight	88.2lbs (40kg)
	Panel Material	Epoxy Paint Coated Steel
	Ingress Protection	IP30
	Viewing Distance	26.2ft (8m)
	Operating Temp.	0°C - +45°C (+32°F - +113°F)
	Storage Temp.	-20°C - +45°C (-4°F - +113°F)
	Opt & Storage Hum.	10% - 90% RH
	Lifetime	≥100,000 Hours
	Input Signals	RF, S-Video, RGBHV, YUV, YC and Composition
	Avg. Time of No Failure	≥5,000 Hours
	Transmitting	Transmitting distance between PC & Screen
	Control System	PCTV non-linear editing card DVI display card
Rigging Form	Fix with 4pcs M10 bolts	
Warranty	5 Years	

Specification for 12mm Cabinet

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1. Specs

Technical Terms		Details
Module	Pixel Composition(LED)	1 Red 1 Green 1 Blue
	Pixel Pitch	12mm
	Physical Density	6,944 pixels/m ²
	Size	7.6"H x 7.6"W (192mmH x 192mmW)
	Resolution	16 x 16
	Color	281 Trillion
	Grey Scale	≥16.7 Millon (Synchronized)
	Brightness(NIT)	≥800NITs
	Module Power	25 Watts
Controller/ Driver	Processing Depth	16 bits
	Refresh Rate	≥400Hz/sec.
	Video Frame Rate	≥60Hz/sec.
	IC (Driving IC)	MBI5024
	Driving Method	1/4 Scan at Constant Current
	Power Supply	Japanese TDK Lambda with UL/CE certification
	LED	Grade
LED Type		Oval Shape (4mm x 5mm)
LED Wavelength		Red: 625-628nm Green: 520-525nm Blue: 465-475nm
LED Encapsulation		SMD3528
Viewing angle		120° (Horiz.) / 120° (Vert.)
Brightness Control		256 Levels of each color (Manually) 8 Leves of each color (Automatically)
Color Temperature		6,500°K
Set	Input Voltage / Freq.	110-220VAC ±10% (50-60Hz)
	Power Consumption	900 Watts
	Cabinet Resolution	96 x 96
	Cabinet size(case/mm)	45.4"H x 45.4"W (1152mmH x 1152mmW)
	Cabinet Weight	187.4lbs (85kg)
	Panel Material	Epoxy Paint Coated Steel
	Ingress Protection	IP30
	Viewing Distance	32.8ft (10m)
	Operating Temp.	0°C - +45°C (+32°F - +113°F)
	Storage Temp.	-20°C - +45°C (-4°F - +113°F)
	Opt & Storage Hum.	10% - 90% RH
	Lifetime	≥100,000 Hours
	Input Signals	RF, S-Video, RGBHV, YUV, YC and Composition
	Avg. Time of No Failure	≥5,000 Hours
	Transmitting	Transmitting distance between PC & Screen
	Control System	PCTV non-linear editing card DVI display card
	Rigging Form	Fix with 4pcs M10 bolts
Warranty	5 Years	

Specification for 16mm Cabinet

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1. Specs

Technical Terms		Details
Module	Pixel Composition(LED)	1 Red 1 Green 1 Blue
	Pixel Pitch	16mm
	Physical Density	3,906 pixels/m ²
	Size	5.04"H x 10.1"W (128mmH x 256mmW)
	Resolution	8 x 16
	Color	281 Trillion
	Grey Scale	≥16.7 Millon (Synchronized)
	Brightness(NIT)	≥1,800NITs
	Module Power	45 Watts
Controller/ Driver	Processing Depth	16 bits
	Refresh Rate	≥400Hz/sec.
	Video Frame Rate	≥60Hz/sec.
	IC (Driving IC)	MBI5024
	Driving Method	Static Constant Current
	Power Supply	Japanese TDK Lambda with UL/CE certification
LED	Grade	Super Intensity
	LED Type	Oval Shape (4mm x 5mm)
	LED Wavelength	Red: 625-628nm Green: 520-525nm Blue: 465-475nm
	LED Encapsulation	SMD3528
	Viewing angle	120° (Horiz.) / 120° (Vert.)
	Brightness Control	256 Levels of each color (Manually) 8 Leves of each color (Automatically)
	Color Temperature	6,500°K
Set	Input Voltage / Freq.	110-220VAC ±10% (50-60Hz)
	Power Consumption	600 Watts
	Cabinet Resolution	48 x 64
	Cabinet size(case/mm)	30.2"H x 40.34"W (768mmH x 1024mmW)
	Cabinet Weight	176.4lbs (80kg)
	Panel Material	Epoxy Paint Coated Steel
	Ingress Protection	IP30
	Viewing Distance	49.2ft (15m)
	Operating Temp.	0°C - +45°C (+32°F - +113°F)
	Storage Temp.	-20°C - +45°C (-4°F - +113°F)
	Opt & Storage Hum.	10% - 90% RH
	Lifetime	≥100,000 Hours
	Input Signals	RF, S-Video, RGBHV, YUV, YC and Composition
	Avg. Time of No Failure	≥5,000 Hours
	Transmitting	Transmitting distance between PC & Screen
	Control System	PCTV non-linear editing card DVI display card
Rigging Form	Fix with 4pcs M10 bolts	
Warranty	5 Years	

Specification for 20mm Cabinet

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1. Specs

Technical Terms		Details
Module	Pixel Composition(LED)	2 Red 1 Green 1 Blue
	Pixel Pitch	20mm
	Physical Density	2,500 pixels/m ²
	Size	6.3"H x 12.6"W (160mmH x 320mmW)
	Resolution	8 x 16
	Color	281 Trillion
	Grey Scale	≥16.7 Millon (Synchronized)
	Brightness(NIT)	≥200NITs
Controller/ Driver	Module Power	10 Watts
	Processing Depth	16 bits
	Refresh Rate	≥400Hz/sec.
	Video Frame Rate	≥60Hz/sec.
	IC (Driving IC)	MBI5024
	Driving Method	1/8 Scan at Constant Current
	Power Supply	Japanese TDK Lambda with UL/CE certification
LED	Grade	Super Intensity
	LED Type	Oval Shape (4mm x 5mm)
	LED Wavelength	Red: 625-628nm Green: 520-525nm Blue: 465-475nm
	LED Encapsulation	SMD0805
	Viewing angle	160° (Horiz.) / 120° (Vert.)
	Brightness Control	256 Levels of each color (Manually) 8 Leves of each color (Automatically)
Set	Color Temperature	6,500°K
	Input Voltage / Freq.	110-220VAC ±10% (50-60Hz)
	Power Consumption	280 Watts
	Cabinet Resolution	48 x 64
	Cabinet size(case/mm)	37.8"H x 50.4"W (960mmH x 1280mmW)
	Cabinet Weight	143.3lbs (65kg)
	Panel Material	Epoxy Paint Coated Steel
	Ingress Protection	IP30
	Viewing Distance	55.8ft (17m)
	Operating Temp.	0°C - +45°C (+32°F - +113°F)
	Storage Temp.	-20°C - +45°C (-4°F - +113°F)
	Opt & Storage Hum.	10% - 90% RH
	Lifetime	≥100,000 Hours
	Input Signals	RF, S-Video, RGBHV, YUV, YC and Composition
	Avg. Time of No Failure	≥5,000 Hours
Transmitting	Transmitting distance between PC & Screen	
Control System	PCTV non-linear editing card DVI display card	
Rigging Form	Fix with 4pcs M10 bolts	
Warranty	5 Years	