

## Specification for 10mm SMD Cabinet

Issued on: 4-Jan-08

Revised on: 10-Mar-10

### 1. Specs

Technical Terms		Details
<b>Module</b>	Pixel Composition(LED)	1 Red   1 Green   1 Blue
	Pixel Pitch	10mm
	Physical Density	10,000 pixels/m <sup>2</sup>
	Size	9.5"H x 9.5"W (240mmH x 240mmW)
	Resolution	24 x 24
	Color	281 Trillion
	Grey Scale	Displaying colors≥16.7M(Synchronized)
	Module Power	50 Watts
	Brightness(NIT)	≥5,000NITs
<b>Controller/ Driver</b>	Processing Depth	16 bits
	Refresh Rate	≥400Hz/sec.
	Video Frame Rate	≥60Hz/sec.
	Driving Method	Static Constant Current
	Power Supply	Japanese TDK Lambda with UL/CE certification
<b>LED</b>	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
<b>Set</b>	Input Voltage / Freq.	110-220VAC ±10% (50-60Hz)
	Input Power	950 Watts
	Cabinet Resolution	96 x 96
	Cabinet size(case/mm)	37.8"H x 37.8"W (960mmH x 960mmW)
	Cabinet Weight	136.7lbs (62kg)
	Panel Material	Epoxy Paint Coated Steel
	Ingress Protection	Front: IP65   Rear: IP43
	Viewing Distance	32.8ft (10m)
	Operating Temp.	-30°C - +60°C (-22°F - +140°F)
	Storage Temp.	-40°C - +60°C (-40°F - +140°F)
	Opt & Storage Hum.	10% - 90% RH
	Lifetime	≥100,000 Hours
	Avg. Time of No Failure	≥5,000 Hours
	Input Signals	RF, S-Video, RGBHV, YUV, YC and Composition
	Transmitting	>328.08ft (>100m) - Optical Fiber Connection <328.08ft (<100m) - Internet Cable UTP CAT 5 included in our offer
	Control System	PCTV non-linear editing card   DVI display card
	Rigging Form	Fix with 4pcs M10 bolts
Warranty	5 Years	

## Specification for 12mm SMD Cabinet

Issued on: 4-Jan-08

Revised on: 10-Mar-10

### 1. Specs

Technical Terms		Details
<b>Module</b>	Pixel Composition(LED)	1 Red   1 Green   1 Blue
	Pixel Pitch	12mm
	Physical Density	6,944 pixels/m <sup>2</sup>
	Size	7.6"H x 7.6"W (192mmH x 192mmW)
	Resolution	16 x 16
	Color	281 Trillion
	Grey Scale	Displaying colors≥16.7M(Synchronized)
	Module Power	30 Watts
	Brightness(NIT)	≥5,500NITs
<b>Controller/Driver</b>	Processing Depth	16 bits
	Refresh Rate	≥400Hz/sec.
	Video Frame Rate	≥60Hz/sec.
	Driving Method	Static Constant Current
	Power Supply	Japanese TDK Lambda with UL/CE certification
<b>LED</b>	Grade	Super Intensity
	LED Type	Oval Shape ( 4mm x 5mm)
	LED Wavelength	Red: 625-628nm   Green: 520-525nm   Blue: 465-475nm
	LED Encapsulation	SMD5060
	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
<b>Set</b>	Input Voltage / Freq.	110-220VAC ±10% (50-60Hz)
	Input Power	600 Watts
	Cabinet Resolution	64 x 64
	Cabinet size(case/mm)	30.2"H x 30.2"W (768mmH x 768mmW)
	Cabinet Weight	125.7lbs (57kg)
	Panel Material	Epoxy Paint Coated Steel
	Ingress Protection	Front: IP65   Rear: IP43
	Viewing Distance	39.4ft (12m)
	Operating Temp.	-30°C - +60°C (-22°F - +140°F)
	Storage Temp.	-40°C - +60°C (-40°F - +140°F)
	Opt & Storage Hum.	10% - 90% RH
	Lifetime	≥100,000 Hours
	Avg. Time of No Failure	≥5,000 Hours
	Input Signals	RF, S-Video, RGBHV, YUV, YC and Composition
	Transmitting	>328.08ft (>100m) - Optical Fiber Connection <328.08ft (<100m) - Internet Cable UTP CAT 5 included in our offer
	Control System	PCTV non-linear editing card   DVI display card
	Rigging Form	Fix with 4pcs M10 bolts
Warranty	5 Years	

## Specification for 16mm SMD Cabinet

Issued on: 4-Jan-08

Revised on: 10-Mar-10

### 1. Specs

Technical Terms		Details
<b>Module</b>	Pixel Composition(LED)	1 Red   1 Green   1 Blue
	Pixel Pitch	16mm
	Physical Density	3,906 pixels/m <sup>2</sup>
	Size	10.1"H x 10.1"W (256mmH x 256mmW)
	Resolution	16 x 16
	Color	281 Trillion
	Grey Scale	Displaying colors≥16.7M(Synchronized)
	Module Power	60 Watts
	Brightness(NIT)	≥6,000NITs
<b>Controller/ Driver</b>	Processing Depth	16 bits
	Refresh Rate	≥400Hz/sec.
	Video Frame Rate	≥60Hz/sec.
	Driving Method	Static Constant Current
	Power Supply	Japanese TDK Lambda with UL/CE certification
<b>LED</b>	Grade	Super Intensity
	LED Type	Oval Shape ( 4mm x 5mm)
	LED Wavelength	Red: 625-628nm   Green: 520-525nm   Blue: 465-475nm
	LED Encapsulation	SMD5060
	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
<b>Set</b>	Input Voltage / Freq.	110-220VAC ±10% (50-60Hz)
	Input Power	800 Watts
	Cabinet Resolution	48 x 64
	Cabinet size(case/mm)	30.2"H x 40.3"W (768mmH x 1024mmW)
	Cabinet Weight	132.3#lbs (60kg)
	Panel Material	Epoxy Paint Coated Steel
	Ingress Protection	Front: IP65   Rear: IP43
	Viewing Distance	52.5ft (16m)
	Operating Temp.	-30°C - +60°C (-22°F - +140°F)
	Storage Temp.	-40°C - +60°C (-40°F - +140°F)
	Opt & Storage Hum.	10% - 90% RH
	Lifetime	≥100,000 Hours
	Avg. Time of No Failure	≥5,000 Hours
	Input Signals	RF, S-Video, RGBHV, YUV, YC and Composition
	Transmitting	>328.08ft (>100m) - Optical Fiber Connection <328.08ft (<100m) - Internet Cable UTP CAT 5 included in our offer
	Control System	PCTV non-linear editing card   DVI display card
	Rigging Form	Fix with 4pcs M10 bolts
Warranty	5 Years	

## Specification for 10mm Cabinet

Issued on: 4-Jan-08

Revised on: 10-Mar-10

### 1. Specs

Technical Terms		Details
<b>Module</b>	Pixel Composition(LED)	1 Red   1 Green   1 Blue
	Pixel Pitch	10mm
	Physical Density	10,000 pixels/m <sup>2</sup>
	Size	6.3"H x 6.3"W (160mmH x 160mmW)
	Resolution	16 x 16
	Color	281 Trillion
	Grey Scale	Displaying colors≥16.7M(Synchronized)
	Module Power	25 Watts
	Brightness(NIT)	≥5,000NITs
<b>Controller/ Driver</b>	Processing Depth	16 bits
	Refresh Rate	≥400Hz/sec.
	Video Frame Rate	≥60Hz/sec.
	Driving Method	1/4 Scan at Constant Current
	Power Supply	Japanese TDK Lambda with UL/CE certification
<b>LED</b>	Grade	Super Intensity
	LED Type	Oval Shape ( 4mm x 5mm)
	LED Wavelength	Red: 625-628nm   Green: 520-525nm   Blue: 465-475nm
	LED Encapsulation	DIP 346
	Viewing angle	110° (Horiz.) / 60° (Vert.)
	Brightness Control	256 Levels of each color (Manually)   8 Leves of each color (Automatically)
	Color Temperature	6,500°K
<b>Set</b>	Input Voltage / Freq.	110-220VAC ±10% (50-60Hz)
	Input Power	900 Watts
	Cabinet Resolution	96 x 96
	Cabinet size(case/mm)	37.8"H x 37.8"W (960mmH x 960mmW)
	Cabinet Weight	143.3lbs (65kg)
	Panel Material	Epoxy Paint Coated Steel
	Ingress Protection	Front: IP65   Rear: IP43
	Viewing Distance	32.8ft (10m)
	Operating Temp.	-30°C - +60°C (-22°F - +140°F)
	Storage Temp.	-40°C - +60°C (-40°F - +140°F)
	Opt & Storage Hum.	10% - 90% RH
	Lifetime	≥100,000 Hours
	Avg. Time of No Failure	≥5,000 Hours
	Input Signals	RF, S-Video, RGBHV, YUV, YC and Composition
	Transmitting	>328.08ft (>100m) - Optical Fiber Connection <328.08ft (<100m) - Internet Cable UTP CAT 5 included in our offer
	Control System	PCTV non-linear editing card   DVI display card
	Rigging Form	Fix with 4pcs M10 bolts
Warranty	5 Years	

## Specification for 12mm Cabinet

Issued on: 4-Jan-08

Revised on: 10-Mar-10

### 1. Specs

Technical Terms		Details
<b>Module</b>	Pixel Composition(LED)	2 Red   1 Green   1 Blue
	Pixel Pitch	12mm
	Physical Density	6,944 pixels/m <sup>2</sup>
	Size	7.6"H x 7.6"W (192mmH x 192mmW)
	Resolution	16 x 16
	Color	281 Trillion
	Grey Scale	Displaying colors≥16.7M(Synchronized)
	Module Power	24 Watts
	Brightness(NIT)	≥4,500NITs
<b>Controller/Driver</b>	Processing Depth	16 bits
	Refresh Rate	≥400Hz/sec.
	Video Frame Rate	≥60Hz/sec.
	Driving Method	1/4 Scan at Constant Current
	Power Supply	Japanese TDK Lambda with UL/CE certification
<b>LED</b>	Grade	Super Intensity
	LED Type	Oval Shape ( 4mm x 5mm)
	LED Wavelength	Red: 625-628nm   Green: 520-525nm   Blue: 465-475nm
	LED Encapsulation	DIP 346
	Viewing angle	110° (Horiz.) / 60° (Vert.)
	Brightness Control	256 Levels of each color (Manually)   8 Leves of each color (Automatically)
	Color Temperature	6,500°K
<b>Set</b>	Input Voltage / Freq.	110-220VAC ±10% (50-60Hz)
	Input Power	420 Watts
	Cabinet Resolution	64 x 64
	Cabinet size(case/mm)	30.2"H x 30.2"W (768mmH x 768mmW)
	Cabinet Weight	110.2lbs (50kg)
	Panel Material	Epoxy Paint Coated Steel
	Ingress Protection	Front: IP65   Rear: IP43
	Viewing Distance	39.4ft (12m)
	Operating Temp.	-30°C - +60°C (-22°F - +140°F)
	Storage Temp.	-40°C - +60°C (-40°F - +140°F)
	Opt & Storage Hum.	10% - 90% RH
	Lifetime	≥100,000 Hours
	Avg. Time of No Failure	≥5,000 Hours
	Input Signals	RF, S-Video, RGBHV, YUV, YC and Composition
	Transmitting	>328.08ft (>100m) - Optical Fiber Connection <328.08ft (<100m) - Internet Cable UTP CAT 5 included in our offer
	Control System	PCTV non-linear editing card   DVI display card
	Rigging Form	Fix with 4pcs M10 bolts
Warranty	5 Years	

## Specification for 14mm Cabinet

Issued on: 4-Jan-08

Revised on: 10-Mar-10

### 1. Specs

Technical Terms		Details
<b>Module</b>	Pixel Composition(LED)	2 Red   1 Green   1 Blue
	Pixel Pitch	14mm
	Physical Density	5,102 pixels/m <sup>2</sup>
	Size	4.4"H x 8.8"W (112mmH x 224mmW)
	Resolution	8 x 16
	Color	281 Trillion
	Grey Scale	Displaying colors≥16.7M(Synchronized)
	Module Power	17 Watts
	Brightness(NIT)	≥5,000NITs
<b>Controller/ Driver</b>	Processing Depth	16 bits
	Refresh Rate	≥400Hz/sec.
	Video Frame Rate	≥60Hz/sec.
	Driving Method	1/2 Scan at Constant Current
	Power Supply	Japanese TDK Lambda with UL/CE certification
<b>LED</b>	Grade	Super Intensity
	LED Type	Oval Shape ( 4mm x 5mm)
	LED Wavelength	Red: 625-628nm   Green: 520-525nm   Blue: 465-475nm
	LED Encapsulation	DIP 346
	Viewing angle	110° (Horiz.) / 60° (Vert.)
	Brightness Control	256 Levels of each color (Manually)   8 Leves of each color (Automatically)
	Color Temperature	6,500°K
<b>Set</b>	Input Voltage / Freq.	110-220VAC ±10% (50-60Hz)
	Input Power	410 Watts
	Cabinet Resolution	48 x 64
	Cabinet size(case/mm)	24.5"H x 35.3"W (672mmH x 896mmW)
	Cabinet Weight	105.8lbs (48kg)
	Panel Material	Epoxy Paint Coated Steel
	Ingress Protection	Front: IP65   Rear: IP43
	Viewing Distance	42.7ft (13m)
	Operating Temp.	-30°C - +60°C (-22°F - +140°F)
	Storage Temp.	-40°C - +60°C (-40°F - +140°F)
	Opt & Storage Hum.	10% - 90% RH
	Lifetime	≥100,000 Hours
	Avg. Time of No Failure	≥5,000 Hours
	Input Signals	RF, S-Video, RGBHV, YUV, YC and Composition
	Transmitting	>328.08ft (>100m) - Optical Fiber Connection <328.08ft (<100m) - Internet Cable UTP CAT 5 included in our offer
	Control System	PCTV non-linear editing card   DVI display card
	Rigging Form	Fix with 4pcs M10 bolts
Warranty	5 Years	

## Specification for 16mm Cabinet

Issued on: 4-Jan-08

Revised on: 10-Mar-10

### 1. Specs

Technical Terms		Details
<b>Module</b>	Pixel Composition(LED)	2 Red   1 Green   1 Blue
	Pixel Pitch	16mm
	Physical Density	3,906 pixels/m <sup>2</sup>
	Size	10.1"H x 10.1"W (256mmH x 256mmW)
	Resolution	16 x 16
	Color	281 Trillion
	Grey Scale	Displaying colors≥16.7M(Synchronized)
	Module Power	40 Watts
	Brightness(NIT)	≥7,000NITs
<b>Controller/ Driver</b>	Processing Depth	16 bits
	Refresh Rate	≥400Hz/sec.
	Video Frame Rate	≥60Hz/sec.
	Driving Method	Static Constant Current
	Power Supply	Japanese TDK Lambda with UL/CE certification
<b>LED</b>	Grade	Super Intensity
	LED Type	Oval Shape ( 4mm x 5mm)
	LED Wavelength	Red: 625-628nm   Green: 520-525nm   Blue: 465-475nm
	LED Encapsulation	DIP 546
	Viewing angle	110° (Horiz.) / 60° (Vert.)
	Brightness Control	256 Levels of each color (Manually)   8 Leves of each color (Automatically)
	Color Temperature	6,500°K
<b>Set</b>	Input Voltage / Freq.	110-220VAC ±10% (50-60Hz)
	Input Power	600 Watts
	Cabinet Resolution	48 x 64
	Cabinet size(case/mm)	30.2"H x 40.3"W (768mmH x 1024mmW)
	Cabinet Weight	132.3lbs (60kg)
	Panel Material	Epoxy Paint Coated Steel
	Ingress Protection	Front: IP65   Rear: IP43
	Viewing Distance	45.9ft (14m)
	Operating Temp.	-30°C - +60°C (-22°F - +140°F)
	Storage Temp.	-40°C - +60°C (-40°F - +140°F)
	Opt & Storage Hum.	10% - 90% RH
	Lifetime	≥100,000 Hours
	Avg. Time of No Failure	≥5,000 Hours
	Input Signals	RF, S-Video, RGBHV, YUV, YC and Composition
	Transmitting	>328.08ft (>100m) - Optical Fiber Connection <328.08ft (<100m) - Internet Cable UTP CAT 5 included in our offer
	Control System	PCTV non-linear editing card   DVI display card
	Rigging Form	Fix with 4pcs M10 bolts
Warranty	5 Years	

## Specification for 18mm Cabinet

Issued on: 4-Jan-08

Revised on: 10-Mar-10

### 1. Specs

Technical Terms		Details
<b>Module</b>	Pixel Composition(LED)	2 Red   1 Green   1 Blue
	Pixel Pitch	18mm
	Physical Density	3,086 pixels/m <sup>2</sup>
	Size	5.7"H x 11.3"W (144mmH x 288mmW)
	Resolution	8 x 16
	Color	281 Trillion
	Grey Scale	Displaying colors≥16.7M(Synchronized)
	Module Power	46 Watts
	Brightness(NIT)	≥6,000NITs
<b>Controller/Driver</b>	Processing Depth	16 bits
	Refresh Rate	≥400Hz/sec.
	Video Frame Rate	≥60Hz/sec.
	Driving Method	Static Constant Current
	Power Supply	Japanese TDK Lambda with UL/CE certification
<b>LED</b>	Grade	Super Intensity
	LED Type	Oval Shape ( 4mm x 5mm)
	LED Wavelength	Red: 625-628nm   Green: 520-525nm   Blue: 465-475nm
	LED Encapsulation	DIP 546
	Viewing angle	110° (Horiz.) / 60° (Vert.)
	Brightness Control	256 Levels of each color (Manually)   8 Leves of each color (Automatically)
	Color Temperature	6,500°K
<b>Set</b>	Input Voltage / Freq.	110-220VAC ±10% (50-60Hz)
	Power Consumption	900 Watts
	Cabinet Resolution	48 x 64
	Cabinet size(case/mm)	34"H x 45.4"W (864mmH x 1152mmW)
	Cabinet Weight	154.3lbs (70kg)
	Panel Material	Epoxy Paint Coated Steel
	Ingress Protection	Front: IP65   Rear: IP43
	Viewing Distance	52.5ft (16m)
	Operating Temp.	-30°C - +50°C (-22°F - +122°F)
	Storage Temp.	-40°C - +60°C (-40°F - +140°F)
	Opt & Storage Hum.	10% - 90% RH
	Lifetime	≥100,000 Hours
	Avg. Time of No Failure	≥5,000 Hours
	Input Signals	RF, S-Video, RGBHV, YUV, YC and Composition
	Transmitting	>328.08ft (>100m) - Optical Fiber Connection <328.08ft (<100m) - Internet Cable UTP CAT 5 included in our offer
	Control System	PCTV non-linear editing card   DVI display card
Rigging Form	Fix with 4pcs M10 bolts	
Warranty	5 Years	

## Specification for 20mm Cabinet

Issued on: 4-Jan-08

Revised on: 10-Mar-10

### 1. Specs

Technical Terms		Details
<b>Module</b>	Pixel Composition(LED)	2 Red   1 Green   1 Blue
	Pixel Pitch	20mm
	Physical Density	# pixels/m <sup>2</sup>
	Size	6.3"H x 12.6"W (160mmH x 320mmW)
	Resolution	8 x 16
	Color	281 Trillion
	Grey Scale	Displaying colors≥16.7M(Synchronized)
	Module Power	23 Watts
	Brightness(NIT)	≥6,500NITs
<b>Controller/ Driver</b>	Processing Depth	16 bits
	Refresh Rate	≥400Hz/sec.
	Video Frame Rate	≥60Hz/sec.
	Driving Method	Static Constant Current
	Power Supply	Japanese TDK Lambda with UL/CE certification
<b>LED</b>	Grade	Super Intensity
	LED Type	Oval Shape ( 4mm x 5mm)
	LED Wavelength	Red: 625-628nm   Green: 520-525nm   Blue: 465-475nm
	LED Encapsulation	DIP 546
	Viewing angle	110° (Horiz.) / 60° (Vert.)
	Brightness Control	256 Levels of each color (Manually)   8 Leves of each color (Automatically)
	Color Temperature	6,500°K
<b>Set</b>	Input Voltage / Freq.	110-220VAC ±10% (50-60Hz)
	Input Power	850 Watts
	Cabinet Resolution	48 x 64
	Cabinet size(case/mm)	37.8"H x 50.4"W (960mmH x 1280mmW)
	Cabinet Weight	132.3lbs (60kg)
	Panel Material	Epoxy Paint Coated Steel
	Ingress Protection	Front: IP65   Rear: IP43
	Viewing Distance	55.8ft (17m)
	Operating Temp.	-30°C - +60°C (-22°F - +140°F)
	Storage Temp.	-40°C - +60°C (-40°F - +140°F)
	Opt & Storage Hum.	10% - 90% RH
	Lifetime	≥100,000 Hours
	Avg. Time of No Failure	≥5,000 Hours
	Input Signals	RF, S-Video, RGBHV, YUV, YC and Composition
	Transmitting	>328.08ft (>100m) - Optical Fiber Connection <328.08ft (<100m) - Internet Cable UTP CAT 5 included in our offer
	Control System	PCTV non-linear editing card   DVI display card
	Rigging Form	Fix with 4pcs M10 bolts
Warranty	5 Years	

## Specification for 22mm Cabinet

Issued on: 4-Jan-08

Revised on: 10-Mar-10

### 1. Specs

Technical Terms		Details
<b>Module</b>	Pixel Composition(LED)	2 Red   1 Green   1 Blue
	Pixel Pitch	22mm
	Physical Density	2,066 pixels/m <sup>2</sup>
	Size	6.9"H x 13.9"W (176mmH x 352mmW)
	Resolution	8 x 16
	Color	281 Trillion
	Grey Scale	Displaying colors≥16.7M(Synchronized)
	Module Power	35 Watts
	Brightness(NIT)	≥6,000NITs
<b>Controller/ Driver</b>	Processing Depth	16 bits
	Refresh Rate	≥400Hz/sec.
	Video Frame Rate	≥60Hz/sec.
	Driving Method	Static Constant Current
	Power Supply	Japanese TDK Lambda with UL/CE certification
<b>LED</b>	Grade	Super Intensity
	LED Type	Oval Shape ( 4mm x 5mm)
	LED Wavelength	Red: 625-628nm   Green: 520-525nm   Blue: 465-475nm
	LED Encapsulation	SMD#    DIP #
	Viewing angle	110° (Horiz.) / 60° (Vert.)
	Brightness Control	256 Levels of each color (Manually)   8 Leves of each color (Automatically)
	Color Temperature	6,500°K
<b>Set</b>	Input Voltage / Freq.	110-220VAC ±10% (50-60Hz)
	Power Consumption	950 Watts
	Cabinet Resolution	48 x 64
	Cabinet size(case/mm)	41.6"H x 55.4"W (1056mmH x 1408mmW)
	Cabinet Weight	198.4lbs (90kg)
	Panel Material	Epoxy Paint Coated Steel
	Ingress Protection	Front: IP65   Rear: IP43
	Viewing Distance	65.6ft (20m)
	Operating Temp.	-30°C - +50°C (-22°F - +122°F)
	Storage Temp.	-40°C - +60°C (-40°F - +140°F)
	Opt & Storage Hum.	10% - 90% RH
	Lifetime	≥100,000 Hours
	Avg. Time of No Failure	≥5,000 Hours
	Input Signals	RF, S-Video, RGBHV, YUV, YC and Composition
	Transmitting	>328.08ft (>100m) - Optical Fiber Connection <328.08ft (<100m) - Internet Cable UTP CAT 5 included in our offer
	Control System	PCTV non-linear editing card   DVI display card
	Rigging Form	Fix with 4pcs M10 bolts
Warranty	5 Years	

## Specification for 25mm Cabinet

Issued on: 4-Jan-08

Revised on: 10-Mar-10

### 1. Specs

Technical Terms		Details
<b>Module</b>	Pixel Composition(LED)	2 Red   1 Green   1 Blue
	Pixel Pitch	25mm
	Physical Density	1,600 pixels/m <sup>2</sup>
	Size	7.9"H x 15.7"W (200mmH x 400mmW)
	Resolution	8 x 16
	Color	281 Trillion
	Grey Scale	Displaying colors≥16.7M(Synchronized)
	Module Power	36 Watts
	Brightness(NIT)	≥4,500NITs
<b>Controller/ Driver</b>	Processing Depth	16 bits
	Refresh Rate	≥400Hz/sec.
	Video Frame Rate	≥60Hz/sec.
	Driving Method	Static Constant Current
	Power Supply	Japanese TDK Lambda with UL/CE certification
<b>LED</b>	Grade	Super Intensity
	LED Type	Oval Shape ( 4mm x 5mm)
	LED Wavelength	Red: 625-628nm   Green: 520-525nm   Blue: 465-475nm
	LED Encapsulation	DIP 546
	Viewing angle	110° (Horiz.) / 60° (Vert.)
	Brightness Control	256 Levels of each color (Manually)   8 Leves of each color (Automatically)
	Color Temperature	6,500°K
<b>Set</b>	Input Voltage / Freq.	110-220VAC ±10% (50-60Hz)
	Input Power	650 Watts
	Cabinet Resolution	48 x 48
	Cabinet size(case/mm)	47.2"H x 47.2"W (1200mmH x 1200mmW)
	Cabinet Weight	211.6lbs (96kg)
	Panel Material	Epoxy Paint Coated Steel
	Ingress Protection	Front: IP65   Rear: IP43
	Viewing Distance	75.5ft (23m)
	Operating Temp.	-30°C - +60°C (-22°F - +140°F)
	Storage Temp.	-40°C - +60°C (-40°F - +140°F)
	Opt & Storage Hum.	10% - 90% RH
	Lifetime	≥100,000 Hours
	Avg. Time of No Failure	≥5,000 Hours
	Input Signals	RF, S-Video, RGBHV, YUV, YC and Composition
	Transmitting	>328.08ft (>100m) - Optical Fiber Connection <328.08ft (<100m) - Internet Cable UTP CAT 5 included in our offer
	Control System	PCTV non-linear editing card   DVI display card
	Rigging Form	Fix with 4pcs M10 bolts
Warranty	5 Years	

## Specification for 31mm Cabinet

Issued on: 4-Jan-08

Revised on: 10-Mar-10

### 1. Specs

Technical Terms		Details
<b>Module</b>	Pixel Composition(LED)	Red   Green   Blue
	Pixel Pitch	31.25mm
	Physical Density	1,024 pixels/m <sup>2</sup>
	Size	9.8"H x 9.8"W (250mmH x 250mmW)
	Resolution	8 x 8
	Color	281 Trillion
	Grey Scale	Displaying colors≥16.7M(Synchronized)
	Module Power	55 Watts
	Brightness(NIT)	≥6,000NITs
<b>Controller/Driver</b>	Processing Depth	16 bits
	Refresh Rate	≥400Hz/sec.
	Video Frame Rate	≥60Hz/sec.
	Driving Method	Static Constant Current
	Power Supply	Japanese TDK Lambda with UL/CE certification
<b>LED</b>	Grade	Super Intensity
	LED Type	Oval Shape ( 4mm x 5mm)
	LED Wavelength	Red: 625-628nm   Green: 520-525nm   Blue: 465-475nm
	LED Encapsulation	DIP 546
	Viewing angle	110° (Horiz.) / 60° (Vert.)
	Brightness Control	256 Levels of each color (Manually)   8 Leves of each color (Automatically)
	Color Temperature	6,500°K
<b>Set</b>	Input Voltage / Freq.	110-220VAC ±10% (50-60Hz)
	Power Consumption	650 Watts
	Cabinet Resolution	32 x 32
	Cabinet size(case/mm)	39.4"H x 39.4"W (1000mmH x 1000mmW)
	Cabinet Weight	147.7lbs (67kg)
	Panel Material	Epoxy Paint Coated Steel
	Ingress Protection	Front: IP65   Rear: IP43
	Viewing Distance	78.7ft (24m)
	Operating Temp.	-30°C - +50°C (-22°F - +122°F)
	Storage Temp.	-40°C - +60°C (-40°F - +140°F)
	Opt & Storage Hum.	10% - 90% RH
	Lifetime	≥100,000 Hours
	Avg. Time of No Failure	≥5,000 Hours
	Input Signals	RF, S-Video, RGBHV, YUV, YC and Composition
	Transmitting	>328.08ft (>100m) - Optical Fiber Connection <328.08ft (<100m) - Internet Cable UTP CAT 5 included in our offer
	Control System	PCTV non-linear editing card   DVI display card
	Rigging Form	Fix with 4pcs M10 bolts
Warranty	5 Years	