

Direct View LED Displays



	FE Series (Indoor)									
NEC Model Number	LED-FE009i2	LED-FE012i2	LED-FE015i2	LED-FE019i2	LED-FE025i2	LED-FE031i2	LED-FE038i2	LED-FE012i3	LED-FE015i3	LED-FE019i3
Module Resolution	640 x 360	480 X 270	384 x 216	320 x 180	240 x 135	192 x 108	160 x 90	480 X 270	384 x 216	320 x 180
Pixel Configuration	4-1 IMD (Black)		3-1 SMD (Black)					3 in 1 Flip Chip SMD		
Pixel Pitch	0.95 mm	1.26 mm	1.58 mm	1.9 mm	2.53 mm	3.16 mm	3.8 mm	1.26 mm	1.58 mm	1.9 mm
Brightness (typical)	600 cd/m ²		700 cd/m ²			1000 cd/m ²		700 cd/m ²		
Contrast Ratio (typical)	5000:1		4000:1			5000:1		8000:1		
Viewing Angle (typical)	70/70 horizontal / 70/70 vertical		80/80 horizontal / 80/80 vertical			80/80 horizontal / 70/70 vertical		85/85 horizontal / 80/80 vertical		
Refresh Rate	Up to 3840 Hz									
Orientation	Landscape									
Dimming Capability	256 levels									
Color Processing	Up to 16 bit									
Displayable Colors	281 Trillion									
Lifetime	100,000 hours									
External Control	RS232 / USB									
Input Terminals (Digital)	1x 1000BaseT RJ-45									
Power Consumption (typical)	80 Watts	66 Watts	57 Watts			47 Watts		22 Watts		
Power Consumption (max)	150 Watts		125 Watts			120 Watts		38 Watts		
Dimensions (WxHxD) w/out stand	23.9 x 13.5 x 1.9 in.									
Weight w/out stand	19.4 lbs.									
Operating Temperature	-4° to 104°F / -20° to 40°C									
Operating Humidity	10% to 80%									
Storage Temperature	-4° to 113°F / -20° to 45°C									
Storage Humidity	10% to 85%									
Environment	Indoor									
Limited Warranty (parts & labor)	3 years									

	FC Series (Indoor)		
NEC Model Number	LED-FC009i	LED-FC012i	LED-FC015i
Module Resolution	640 x 360	480 X 270	384 x 216
Pixel Configuration	Flip Chip COB		
Pixel Pitch	0.95 mm	1.26 mm	1.58 mm
Brightness (typical)	800 cd/m ²		
Contrast Ratio (typical)	20000:1		
Viewing Angle (typical)	80/80 horizontal / 75/75 vertical	80/80 horizontal / 80/80 vertical	
Refresh Rate	Up to 3840 Hz		
Orientation	Landscape		
Dimming Capability	256 levels		
Color Processing	Up to 16 bit		
Displayable Colors	281 Trillion		
Lifetime	100,000 hours		
External Control	RS232 / USB		
Input Terminals (Digital)	1x 1000BaseT RJ-45		
Power Consumption (typical)	28 Watts	40 Watts	36 Watts
Power Consumption (max)	60 Watts	70 Watts	65 Watts
Dimensions (WxHxD) w/out stand	23.9 x 13.5 x 1.9 in.		
Weight w/out stand	15.4 lbs.		
Operating Temperature	-4° to 104°F / -20° to 40°C		
Operating Humidity	10% to 80%		
Storage Temperature	-4° to 113°F / -20° to 45°C		
Storage Humidity	10% to 85%		
Environment	Indoor		
Limited Warranty (parts & labor)	3 years		

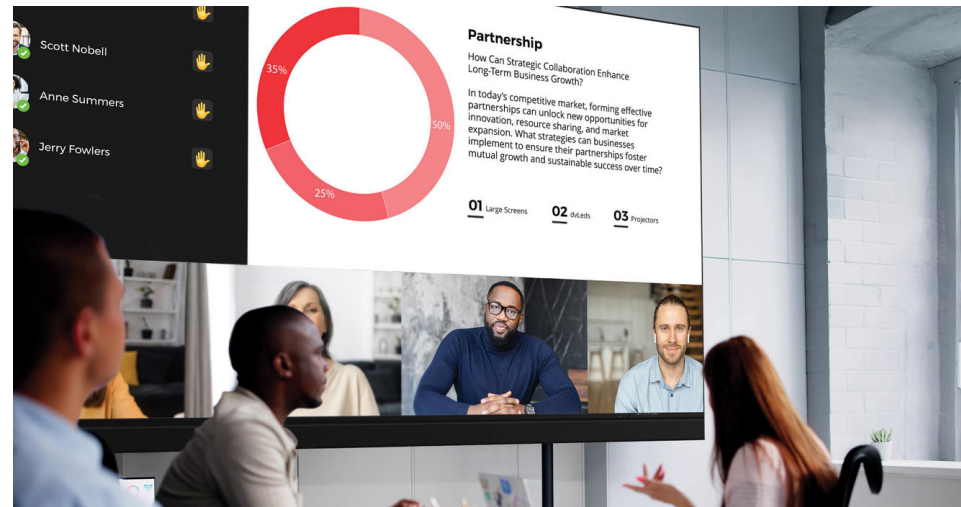
	E Series (Indoor)		
NEC Model Number	LED-E012i	LED-E015i	LED-E018i
Module Resolution	480 X 270	384 x 216	320 x 180
Pixel Configuration	3-1 SMD (Black)		
Pixel Pitch	1.25 mm	1.56 mm	1.875 mm
Brightness (typical)	600 cd/m ²		
Contrast Ratio (typical)	5000:1	4000:1	5000:1
Viewing Angle (typical)	85/85 horizontal / 80/80 vertical	70/70 horizontal / 70/70 vertical	
Refresh Rate	Up to 3840 Hz		
Orientation	Landscape		
Dimming Capability	256 levels		
Color Processing	Up to 16 bit		
Displayable Colors	281 Trillion		
Lifetime	100,000 hours		
External Control	RS232 / USB		
Input Terminals (Digital)	1x 1000BaseT RJ-45		
Power Consumption (typical)	59 Watts	40 Watts	43 Watts
Power Consumption (max)	125 Watts		
Dimensions (WxHxD) with stand	23.6 x 13.3 x 1.1 in.		
Weight	10.4 lbs.		
Operating Temperature	-4° to 104°F / -20° to 40°C		
Operating Humidity	10% to 80%		
Storage Temperature	-4° to 113°F / -20° to 45°C		
Storage Humidity	10% to 85%		
Environment	Indoor		
Limited Warranty (parts & labor)	2 years		

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	FA Series (Indoor)						
NEC Model Number	LED-FA009i2	LED-FA012i2	LED-FA015i2	LED-FA019i2	LED-FA025i2	LED-FA031i2	LED-FA038i2
Module Resolution	640 x 360	480 X 270	384 x 216	320 x 180	240 x 135	192 x 108	160 x 90
Pixel Configuration	4-1 IMD (Black)			3-1 SMD (Black)			
Pixel Pitch	0.95 mm	1.26 mm	1.58 mm	1.9 mm	2.53 mm	3.16 mm	3.8 mm
Brightness (typical)	600 cd/m ²		800 cd/m ²		1200 cd/m ²		
Contrast Ratio (typical)	5000:1				7000:1		
Viewing Angle (typical)	70/70 horizontal / 70/70 vertical		85/85 horizontal / 85/85 vertical		80/80 horizontal / 70/70 vertical		
Refresh Rate	Up to 3840 Hz						
Orientation	Landscape						
Dimming Capability	256 levels						
Color Processing	Up to 16 bit						
Displayable Colors	281 Trillion						
Lifetime	100,000 hours						
External Control	RS232 / USB						
Input Terminals (Digital)	2x 1000BaseT RJ-45						
Power Consumption (typical)	80 Watts	66 Watts	57 Watts		47 Watts		
Power Consumption (max)	150 Watts	125 Watts			120 Watts		
Dimensions (WxHxD) w/out stand	23.9 x 13.5 x 1.9 in.						
Weight w/out stand	19.41 bs.						
Operating Temperature	-4° to 104°F / -20° to 40°C						
Operating Humidity	10% to 80%						
Storage Temperature	-4° to 113°F / -20° to 45°C						
Storage Humidity	10% to 85%						
Environment	Indoor						
Limited Warranty (parts & labor)	3 years						

	LD All-in-one Series	
Sharp Model Number	LD-A1381F	LD-A1651F
Module Resolution	384 X 216	320 X 180
Pixel Configuration	3-1 SMD (Black)	
Pixel Pitch	1.5 mm	1.9 mm
Brightness (typical)	350 cd/m ²	
Contrast Ratio (typical)	6500:1	
Viewing Angle (typical)	80/80 horizontal / 70/70 vertical	
Refresh Rate	Up to 3840 Hz	
Orientation	Landscape	
Dimming Capability	256 levels	
Color Processing	Up to 16 bit	
Displayable Colors	281 Trillion	
Lifetime	100,000 hours	
External Control	LAN and RS232 In - Full external control capabilities	
Input Terminals (Digital)	HDMI (2.0 x 3 with HDCP), USB-C (DP Alt Mode)	
Power Consumption (typical)	TBD	
Power Consumption (max)	TBD	
Dimensions (WxHxD) w/out stand	120.6 x 72.2 x 3 in.	144.65 x 85.67 x 3 in.
Weight w/out stand	304.2 lbs.	425.5 lbs.
Operating Temperature	-4° to 104°F / -20° to 40°C	
Operating Humidity	10% to 80%	
Storage Temperature	-4° to 113°F / -20° to 45°C	
Storage Humidity	10% to 85%	
Environment	Indoor	
Limited Warranty (parts & labor)	2 years	



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	FE Series Kits (Indoor)					
NEC Model Number	LED-FE009i2-104 LED-FE009i2-165	LED-FE012i2-110 LED-FE012i2-220	LED-FE015i2-137	LED-FE019i2-110 LED-FE019i2-165	LED-FE025i2-220	
Module Resolution	640 x 360	480 X 270	384 x 216	320 x 180	240 x 135	
Pixel Configuration	4-1 IMD (Black)	3-1 SMD (Black)				
Pixel Pitch	0.95 mm	1.26 mm	1.58 mm	1.9 mm	2.53 mm	
Brightness (typical)	600 cd/m ²	700 cd/m ²			1000 cd/m ²	
Contrast Ratio (typical)	5000:1	4000:1			5000:1	
Viewing Angle (typical)	70/70 horizontal / 70/70 vertical		80/80 horizontal / 80/80 vertical		80/80 horizontal / 70/70 vertical	
Refresh Rate	Up to 3840 Hz					
Orientation	Landscape					
Dimming Capability	256 levels					
Color Processing	Up to 16 bit					
Displayable Colors	281 Trillion					
Lifetime	100,000 hours					
External Control	RS232 / USB 1 x GenLock; 1 x LAN		1 x GenLock; 1 x LAN			
Input Terminals (Digital)	1x 1000BaseT RJ-45 1 x 3G SDI; 1 x DVI-D; 1 x HDMI		1 x 3G SDI; 1 x DVI-D; 1 x HDMI			
Power Consumption (typical)	960 Watts 2880 Watts		1056 Watts 4224 Watts	1425 Watts	912 Watts 2052 Watts	3008 Watts
Power Consumption (max)	1800 Watts 5400 Watts		2000 Watts 8000 Watts	3125 Watts	2000 Watts 4500 Watts	7680 Watts
Dimensions (WxHxD) w/out stand	97.3 x 42 x 3.2 in. 143.4 x 85.5 x 3.2 in.		95.6 x 58.6 x 3.2 in. 193.1 x 112.4 x 3.2 in.	119.5 x 72 x 3.2 in.	95.6 x 58.6 x 3.2 in. 143.4 x 85.5 x 1.9 in.	193.1 x 112.4 x 3.2 in.
Weight w/out stand	232.8 lbs. 860.6 lbs.		313 lbs. 1245.7 lbs.	490.2 lbs.	313.1 lbs. 701.2 lbs.	1245.7 lbs.
Operating Temperature	-4° to 104°F / -20° to 40°C					
Operating Humidity	10% to 80%					
Storage Temperature	-4° to 113°F / -20° to 45°C					
Storage Humidity	10% to 85%					
Environment	Indoor					
Limited Warranty (parts & labor)	3 years					

	FE 3 Series Kits (Indoor)		
NEC Model Number	LED-FE012i3-110 FE012i3-220	LED-FE015i3-137	LED-FE09i3-165
Module Resolution	480 X 270	384 x 216	320 x 180
Pixel Configuration	3 in 1 Flip Chip SMD		
Pixel Pitch	1.26 mm	1.58 mm	1.9 mm
Brightness (typical)	700 cd/m ²		
Contrast Ratio (typical)	8000:1		
Viewing Angle (typical)	85/85 horizontal / 80/80 vertical		
Refresh Rate	Up to 3840 Hz		
Orientation	Landscape		
Dimming Capability	256 levels		
Color Processing	Up to 16 bit		
Displayable Colors	281 Trillion		
Lifetime	100,000 hours		
External Control	1 x GenLock; 1 x LAN		
Input Terminals (Digital)	1 x 3G SDI; 1 x DVI-D; 1 x HDMI		
Power Consumption (typical)	352 Watts 1056 Watts	550 Watts	792 Watts
Power Consumption (max)	608 Watts 1824 Watts	950 Watts	1368 Watts
Dimensions (WxHxD) w/out stand	96.2 x 58.1 x 3.1 192 x 111.9 x 3.1 in.	120.2 x 71.6 x 3.1 in.	144.1 x 85 x 3.1 in.
Weight w/out stand	401.3 lbs. 1453.3 lbs.	615.1 lbs.	861.6 lbs.
Operating Temperature	-4° to 104°F / -20° to 40°C		
Operating Humidity	10% to 80%		
Storage Temperature	-4° to 113°F / -20° to 45°C		
Storage Humidity	10% to 85%		
Environment	Indoor		
Limited Warranty (parts & labor)	3 years		

	FC Series Kits (Indoor)			
NEC Model Number	LED-FC009i-165	LED-FC012i-110 LED-FC012i-220	LED-FC015i-137	
Module Resolution	640 x 360	480 X 270	384 x 216	
Pixel Configuration	Flip Chip COB			
Pixel Pitch	0.95 mm	1.26 mm	1.58 mm	
Brightness (typical)	800 cd/m ²			
Contrast Ratio (typical)	20000:1			
Viewing Angle (typical)	780/80 horizontal / 75/75 vertical	80/80 horizontal / 80/80 vertical		
Refresh Rate	Up to 3840 Hz			
Orientation	Landscape			
Dimming Capability	256 levels			
Color Processing	Up to 16 bit			
Displayable Colors	281 Trillion			
Lifetime	100,000 hours			
External Control	RS232 / USB			
Input Terminals (Digital)	1x 1000BaseT RJ-45			
Power Consumption (typical)	1008 Watts	640 Watts	1120 Watts	900 Watts
Power Consumption (max)	2160 Watts	2560 Watts	4480 Watts	1625 Watts
Dimensions (WxHxD) w/out stand	143.4 x 85.6 x 1.9 in.	95.6 x 13.5 x 1.9 in.	191.2 x 108 x 1.9 in.	119.5 x 67.5 x 1.9 in.
Weight w/out stand	553.3 lbs.	246.9 lbs.	983.2 lbs.	385.7 lbs.
Operating Temperature	-4° to 104°F / -20° to 40°C			
Operating Humidity	10% to 80%			
Storage Temperature	-4° to 113°F / -20° to 45°C			
Storage Humidity	10% to 85%			
Environment	Indoor			
Limited Warranty (parts & labor)	3 years			

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	E Series Kits (Indoor)				
NEC Model Number	LED-E012i-108 / LED-E012i-217	LED-E015i-135	LED-E018i-162	LED-E025i-217	
Module Resolution	480 X 270	384 x 216	320 x 180		
Pixel Configuration	3-1 SMD (Black)				
Pixel Pitch	1.25 mm	1.56 mm	1.875 mm	2.5 mm	
Brightness (typical)	600 cd/m ²		800 cd/m ²	1000 cd/m ²	
Contrast Ratio (typical)	5000:1	4000:1	5000:1	7000:1	
Viewing Angle (typical)	85/85 horizontal / 80/80 vertical	70/70 horizontal / 70/70 vertical		80/80 horizontal / 80/75 vertical	
Refresh Rate	Up to 3840 Hz				
Orientation	Landscape				
Dimming Capability	256 levels				
Color Processing	Up to 16 bit			Up to 18 bit	
Displayable Colors	281 Trillion				
Lifetime	100,000 hours				
External Control	1 x GenLock; 1 x LAN				
Input Terminals (Digital)	1 x 3G SDI; 1 x DVI-D; 1 x HDMI				
Power Consumption (typical)	944 Watts	3776 Watts	1000 Watts	1548 Watts	2560 Watts
Power Consumption (max)	2000 Watts	8000 Watts	3125 Watts	4500 Watts	8000 Watts
Dimensions (WxHxD) with stand	94.4 x 53.2 x 1.1 in.	188.8 x 106.4 x 1.1 in.	118.6 x 66.5 x 1.1 in.	142.2 x 83.9 x 1.1 in.	188.8 x 106.4 x 1.1 in.
Weight	166.4 lbs.	665.6 lbs.	259.1 lbs.	373.1 lbs.	665.6 lbs.
Operating Temperature	-4° to 104°F / -20° to 40°C				
Operating Humidity	10% to 80%				
Storage Temperature	-4° to 113°F / -20° to 45°C				
Storage Humidity	10% to 85%				
Environment	Indoor				
Limited Warranty (parts & labor)	2 years				

	FA Series Kits (Indoor)							
NEC Model Number	LED-FA009i2-165	LED-FA012i2-110 / LED-FA012i2-220	LED-FA015i2-137	LED-FA019i2-110 / LED-FA019i2-65	LED-FA025i2-220			
Module Resolution	640 x 360	480 X 270	384 x 216	320 x 180	240 x 135			
Pixel Configuration	4-1 IMD (Black)	3-1 SMD (Black)						
Pixel Pitch	0.95 mm	1.26 mm	1.58 mm	1.9 mm	2.53 mm			
Brightness (typical)	600 cd/m ²	800 cd/m ²			1200 cd/m ²			
Contrast Ratio (typical)	5000:1					7000:1		
Viewing Angle (typical)	70/70 horizontal / 70/70 vertical	85/85 horizontal / 85/85 vertical			80/80 horizontal / 70/70 vertical			
Refresh Rate	Up to 3840 Hz							
Orientation	Landscape							
Dimming Capability	256 levels							
Color Processing	Up to 16 bit							
Displayable Colors	281 Trillion							
Lifetime	100,000 hours							
External Control	1 x GenLock; 1 x LAN							
Input Terminals (Digital)	1 x 3G SDI; 1 x DVI-D; 1 x HDMI							
Power Consumption (typical)	2880 Watts	1056 Watts	4224 Watts	1425 Watts	912 Watts	2052 Watts	3008 Watts	
Power Consumption (max)	5400 Watts	2000 Watts	8000 Watts	3125 Watts	2000 Watts	4500 Watts	7680 Watts	
Dimensions (WxHxD) w/out stand	143.4x 85.5 x 3.2 in.	95.6 x 58.6 x 3.2 in.	193.1 x 112.4 x 3.2 in.	119.5 x 72 x 3.2 in.	95.6 x 58.6 x 3.2 in.	143.4 x 85.5 x 3.2 in.	193.1 x 112.4 x 3.2 in.	
Weight w/out stand	861.6 lbs.	313.1 lbs.	1245.7 lbs.	416.7 lbs.	313.1 lbs.	701.2 lbs.	1245.7 lbs.	
Operating Temperature	-4° to 104°F / -20° to 40°C							
Operating Humidity	10% to 80%							
Storage Temperature	-4° to 113°F / -20° to 45°C							
Storage Humidity	10% to 85%							
Environment	Indoor							
Limited Warranty (parts & labor)	3 years							