

		LG		Samsung	DAHUA	Remark
	Model	LSAB009-M14/S14	LSAB009-M15/S15	IW008A	DHI-PHSIA0.9-CH	
Optical Specifications	Pixel Configuration	COB	COB	COB	COB	
	Pixel Pitch (mm)	0,94	0,94	0,84	0,9375	
	Cabinet Resolution (W × H)	640 × 360	640 × 360	960 × 540	640 × 360	
	Cabinet Dimensions (W × H × D, mm)	600 × 337.5 × 44.9	600 × 337.5 × 44.9	806.4 × 453.6 × 36.5	600 × 337.5 × <b>40</b>	Thin Cabinet Design
	Module Resolution (W × H)	320 × 120	320 × 120	240 × 180	160 × 180	
	Module Dimensions (W × H, mm)	300 × 112.5	300 × 112.5	210.6 × 151.2	150 × 168.75	
	No. of Modules per Cabinet (W × H)	6	6	12	8	
	Cabinet Weight (kg)	7	6,8	12	<b>4.0 ±0.1</b>	Lighter Cabinet
	Cabinet Material	Die Casting Aluminum	Die Casting Aluminum	Die Casting Aluminum	Die Casting Aluminum	
Service Access	Front and Rear	Front and Rear	Front	<b>Front</b>	Easy and quick maintenance	
Electrical Specifications	Max. Brightness	600	600	500	<b>800</b>	Higher brightness
	Color Temperature (K)	3,200-9,300	3,200-9,300	2,800K ~ 10,000K	9300K ± 200	
	Visual Viewing Angle (Horizontal)	160	160	170	160	
	Visual Viewing Angle (Vertical)	160	160	155	160	
	Contrast Ratio	100,000 : 1	100,000 : 1	24,000 : 1	10,000 : 1	
	Cabinet pixels	230.400	230.400	<b>518.400</b>	230.400	
	Cabinet area	0,203	0,203	0,365	0,2025	
Operation Specifications	Power Consumption (W/Cabinet, Max.)	72	72	140	<b>74,925</b>	Save energy
	Power Consumption (W/Cabinet, Avg.)	47	47	95	<b>25,3125</b>	Save energy
	Power Supply (V)	100 to 240	100 to 240	100 to 240	AC110~220V (+/-10%)	
	Frame Rate (Hz)	50 / 60	50 / 60	50 / 60	50 / 60	
Others	Refresh Rate (Hz)	3.840	3.840	3.840	3.840	
	Lifespan	100,000h	100,000h	150,000h	100,000h	
	Operating Temperature (°C)	0 to +40	0 to +40	0 to +40	-10°C~+40°C	
	Operating Humidity	10-80% RH	10-80% RH	10-80% RH	10-80% RH	
	IP Rating (Front / Rear)	IP50 / IP20	IP50 / IP20	IP20	<b>IP65 / IP43</b>	More robust solution, not easy to get damaged, can be cleaned by water
Others	Speaker					
	Controller	CSAB-00914 (SuperSign CMS)	CSAB-00915D (SuperSign CMS)	Tizen 6.0 (MagicINFO)	Novastar	
	Interface					
	Warranty (Years)					
Others	Certification	Safety 60950-1, EMC Class B, BS476 Part7 Class2Y RoHS	Safety 60950-1, EMC Class B, BS476 Part7 Class2Y RoHS	Safety 62368-1, 60950-1, Class B	CE/FCC/CB	

	Absen	Philips L-Line 6000 Series	Philips L-Line 9000 Series	LG	Samsung	DAHUA	Remark	
	Model	A2712	27BDL6112L	27BDL9112L	LSAB012-M12/S12	IW012A	DHI-PHSIA1.2-CH	
Physical Parameters	Inch	27.5"	27.5"	27.5"				
	Pixel Configuration	Black SMD0808	SMD 1010 Copper wire	SMD 1010 Gold wire	COB	COB	<b>COB</b>	
	Pixel Pitch (mm)	1,27	1,266	1,266	1,25	1,26	1,25	
	Cabinet Resolution (W x H)	480 x 270	480x270	480x270	480 x 270	640 x 360	480 x 270	
	Cabinet Dimensions (W x H x D, mm)	610x343x61	608x342x59	608x342x55	600 x 337.5 x 44.9	806.4 x 453.6 x 36.5	600 x 337.5 x <b>40</b>	Thin Cabinet Design
	Module Resolution (W x H)		240x135	120x135	240 x 90	160 x 120	120 x 135	
	Module Dimensions (W x H, mm)		303.9x170.9	152x171	300 x 112.5	201.6 x 151.2	150 x 168.75	
	No. of Modules per Cabinet (W x H)		4	8	6	12	8	
	Cabinet Weight (kg)	8,5	5,94	8±0.4	7,2	11,2	<b>4.0 ±0.1</b>	Lighter Cabinet
	Cabinet Material	Die-Casting Aluminium	Die-Casting Aluminium	Die-Casting Aluminium	Die Casting Aluminium	Die Casting Aluminium	Die Casting Aluminium	
Service Access	Front			Front and Rear	Front	<b>Front</b>	Easy and quick maintenance	
Optical Specifications	Max. Brightness	600nits	650 nits (after calibration)	800 nits (after calibration)	800	800	800	
	Color Temperature (K)		4000~9500 K	4000~9500 K	3,200-9,300	2,800K ~ 10,000K	9300K ± 200	
	Visual Viewing Angle (Horizontal)	160	160	160	160	170	160	
	Visual Viewing Angle (Vertical)	140	160	160	160	155	160	
	Contrast Ratio	3000:1	4200:1	≥3000:1	150,000 : 1	24,000 : 1	<b>10,000 : 1</b>	Real Black, Color is more vivid
	Cabinet pixels	129.600	129.600	129.600	129.600	<b>230.400</b>	129.600	
	Cabinet area	0,209	0,208	0,2079	0,203	0,365	0,2025	
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	96,14	<145	≤160	105	140	<b>70,875</b>	Save energy
	Power Consumption (W/Cabinet, Typ.)	31,977	<48.4	≤54	76	85	<b>24,3</b>	Save energy
	Power Supply (V)	AC110~220V (+/-10%)	AC100~240 V	AC100~240 V	100 to 240	100 to 240	AC110~220V (+/-10%)	
	Frame Rate (Hz)	50/60 Hz	50 & 60	50 & 60	50 / 60	50 / 60	50 / 60	
Refresh Rate (Hz)	1920	1920~3840	1920~3840	3.840	3.840	<b>3.840</b>	Higher refresh rate, video frame more fluently	
Operation Specifications	Lifespan		100 000h	100 000h	100,000h	150,000 h	100,000h	
	Operating Temperature (°C)	-10 to +40	-20 to +45	-20 to +45	0 to +40	0 to +40	-10°C~+40°C	
	Operating Humidity	10-85% RH	10-80% RH	10-80% RH	10-80% RH	10-80% RH	10-80% RH	
IP Rating (Front / Rear)				IP50 / IP20	IP20	<b>IP65 / IP43</b>	More robust solution, not easy to get damaged, can be cleaned by water	
Others	Speaker							
	Controller		Novastar	Novastar	CSAB-0121	Tizen 6.0	Novastar	
	Interface	HDMI, RJ45, USB						
	Warranty (Years)	2	2	3			3	
	Certification	TUV-CE/ETL/FCC/CCC/RoHS	RoHS EN61000-3-2 EN61000-3-3 IEC/UL60950 IEC/UL62368 IEC62471 EN55035 EMC EN55032 FCC SDOC, Part 15, Class A	FCC SDOC, Part 15 EMC Class B EN55032 EN55035 EN61000-3-2 EN61000-3-3 IEC/UL60950 IEC/UL62368 IEC62471 RoHS	Safety 60950-1, EMC Class B, BS476 Part7 Class1 Rosh	Safety 62368-1, 60950-1, Class B	CE/FCC/CB	

	Absen	Philips L-Line 6000 Series	Philips L-Line 9000 Series		SS	DAHUA	Remark		
	Model	A2715	27BDL6115L	27BDL9015L	27BDL9115L	IW016A	DHI-PH5IA1.5-CH		
Physical Parameters	Inch	27.5"	27.5"	27.5"	27.5"				
	Pixel Configuration	Black SMD1010	SMD 1010 Copper wire	SMD 1010 Copper wire	SMD 1010 Gold wire	COB	COB	Next gen tech than SMD, mini flop COB tech, fewer soldering points so less chance of defect	
	Pixel Pitch (mm)	1,58	1,583	1,583	1,583	1,68	1,5625		
	Cabinet Resolution (W x H)	384x216	384x216	384x216	384x216	480 x 270	384 x 216		
	Cabinet Dimensions (W x H x D, mm)	610x343x61	608x342x59	608x342x55	608x342x55	806.4 x 453.6 x 36.5	600 x 337.5 x 40	Thin Cabinet Design	
	Module Resolution (W x H)		192x108	96x108	96x108	120 x 90	96 x 108		
	Module Dimensions (W x H, mm)		303.9x170.9	303.9x170.9	152x171	201.6 x 151.2	150 x 168.75		
	No. of Modules per Cabinet (W x H)		4	8	8	12	8		
	Cabinet Weight (kg)	8.5 kg	5,85	8±0.4	8±0.4	11,2	4.0 ±0.1	Lighter Cabinet	
	Cabinet Material	Die-Casting Aluminium	Die-Casting Aluminium	Die-Casting Aluminium	Die-Casting Aluminium	Die-Casting Aluminium	Die Casting Aluminium		
Service Access	Front				Front	Front	Easy and quick maintenance		
Optical Specifications	Max. Brightness	700nits	650 nits (after calibration)	650 nits (after calibration)	800 nits (after calibration)	1000	800		
	Color Temperature (K)		4000~9500 K	4000~9500 K	4000~9500 K	2,800K ~ 10,000	9300K ± 200		
	Visual Viewing Angle (Horizontal)	160	160	160	160	170	160		
	Visual Viewing Angle (Vertical)	140	160	160	160	155	160		
	Contrast Ratio	4000:1	3800:1	≥3000:1	≥3000:1	24,000 : 1	10,000 : 1	Real Black. Color is more vivid	
	Cabinet pixels	82.944	82.944	82.944	82.944	129.600	82.944		
	Cabinet area	0,209	0,208	0,2079	0,2079	0,365	0,2025		
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	108,68	<124	≤160	≤160	150	64,8	Save energy	
	Power Consumption (W/Cabinet, Typ.)	36,157	<41.4	≤53	≤53	82	22,275	Save energy	
	Power Supply (V)	AC100~240 V	AC100~240 V	AC100~240 V	AC100~240 V	100 to 240	AC110~220V (+/-10%)		
	Frame Rate (Hz)	50 & 60	50 & 60	50 & 60	50 & 60	50 / 60	50 / 60		
Operation Specifications	Refresh Rate (Hz)	1920	1920~3840	1920~3840	1920~3840	7.680	3.840	Higher refresh rate, video frame more fluently	
	Lifespan		100 000h	100 000h	100 000h	150,000 h	100,000h		
	Operating Temperature (°C)	-10 to +40	-20 to +45	-20 to +45	-20 to +45	0 to +40	-10°C~+40°C		
	Operating Humidity	10-85% RH	10-80% RH	10-80% RH	10-80% RH	10-80% RH	10-80% RH		
	IP Rating (Front / Rear)					IP20	IP65 / IP43	More robust solution, not easy to get damaged, can be cleaned by water	
Others	Speaker								
	Controller		Novastar	Novastar	Novastar	Tizen 6.0 (MagicINFO)	Novastar		
	Interface	HDMI, RJ45, USB							
	Warranty (Years)	2	2	2	3		3		
	Certification	TUV-CE/ETL/FCC/CCC/RoHS	RoHS	RoHS	FCC SDOC, Part 15		Safety 62368-1, 60950-1, Class B	CE/FCC/CB	
			EN61000-3-2 EN61000-3-3 IEC/UL60950 IEC/UL62368 IEC62471 EN55032 EN55035 EMC FCC SDOC, Part 15, Class A	EN61000-3-2 EN61000-3-3 IEC/UL60950 IEC/UL62368 IEC62471 EN55032 EMC Class B FCC SDOC, Part 15 EN55035	EMC Class B EN55032 EN55035 EN61000-3-2 EN61000-3-3 IEC/UL60950 IEC/UL62368 IEC62471 RoHS				

	Absen	Philips L-Line 6000 Series	Philips L-Line 9000 Series	DAHUA	Remark	
	Model	A2719	27BDL6119L	27BDL9112L	DHI-PHSIA1.5-CH	
	Inch	27.5"	27.5"	27.5"		
Physical Parameters	Pixel Configuration	Black SMD1010	SMD 1015 Copper wire	SMD 1515 Gold wire	COB	
	Pixel Pitch (mm)	1,906	1,9	1,9	1,5625	
	Cabinet Resolution (W x H)	320 x 180	320x180	320x180	384 x 216	
	Cabinet Dimensions (W x H x D, mm)	610x343x61	608x342x59	608x342x55	600 x 337.5 x 40	
	Module Resolution (W x H)		240x135	120x135	96 x 108	
	Module Dimensions (W x H, mm)		303.9x170.9	152x171	150 x 168.75	
	No. of Modules per Cabinet (W x H)		4	8	8	
	Cabinet Weight (kg)	8.5	5,81	8±0.4	4.0 ±0.1	
Cabinet Material	Die-Casting Aluminium	Die-Casting Aluminium	Die-Casting Aluminium	Die Casting Aluminium		
Service Access	Front			Front		
Optical Specifications	Max. Brightness	800nits	650 nits (after calibration)	800 nits (after calibration)	800	
	Color Temperature (K)		4000~9500 K	4000~9500 K	9300K ± 200	
	Visual Viewing Angle (Horizontal)	160	160	160	160	
	Visual Viewing Angle (Vertical)	140	160	160	160	
	Contrast Ratio	4500:1	3200:1	≥3000:1	10,000 : 1	
	Cabinet pixels	57,600	57,600	57,600	82,944	
	Cabinet area	0,209	0,2079	0,2079	0,2025	
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	104,5	<65	≤110	64,8	
	Power Consumption (W/Cabinet, Typ.)	34,903	<21,7	≤36	22,275	
	Power Supply (V)	AC110~220V (+/-10%)	AC100~240 V	AC100~240 V	AC110~220V (+/-10%)	
	Frame Rate (Hz)	50/60 Hz	50 & 60	50 & 60	50 / 60	
Operation Specifications	Refresh Rate (Hz)	1920	1920~3840	1920~3840	3,840	
	Lifespan		100 000h	100 000h	100,000h	
	Operating Temperature (°C)	-10 to +40	-20 to +45	-20 to +45	-10°C~+40°C	
	Operating Humidity	10-85% RH	10-80% RH	10-80% RH	10-80% RH	
	IP Rating (Front / Rear)				IP65 / IP43	
Others	Speaker					
	Controller		Novastar	Novastar	Novastar	
	Interface	HDMI, RJ45, USB				
	Warranty (Years)	2	2	3	3	
	Certification		RoHS EN61000-3-2 EN61000-3-3 IEC/UL60950 IEC/UL62368 IEC62471 EN55032 EN55035 EMC FCC SDOC, Part 15, Class A	FCC SDOC, Part 15 EMC Class B EN55032 EN55035 EN61000-3-2 EN61000-3-3 IEC/UL60950 IEC/UL62368 IEC62471 RoHS	CE/FCC/CB	
			TUV-CE/ETL/FCC/CCC/RoHS			

Next gen tech than SMD, mini flop COB tech, fewer soldering points so less chance of defect  
Dahua P1.5 COB is cheaper than P1.8 SMD, so we don't do P1.5

Thin Cabinet Design

Lighter Cabinet

Easy and quick maintenance

Real Black. Color is more vivid

Save energy

Save energy

Higher refresh rate, video frame more fluently

More robust solution, not easy to get damaged, can be cleaned by water