



**The AKIRA ALM Series open frame LCD is for single unit or for creating video walls designed for commercial applications including digital signage, public displays, kiosks and various indoor and outdoor use.**


**Features:**

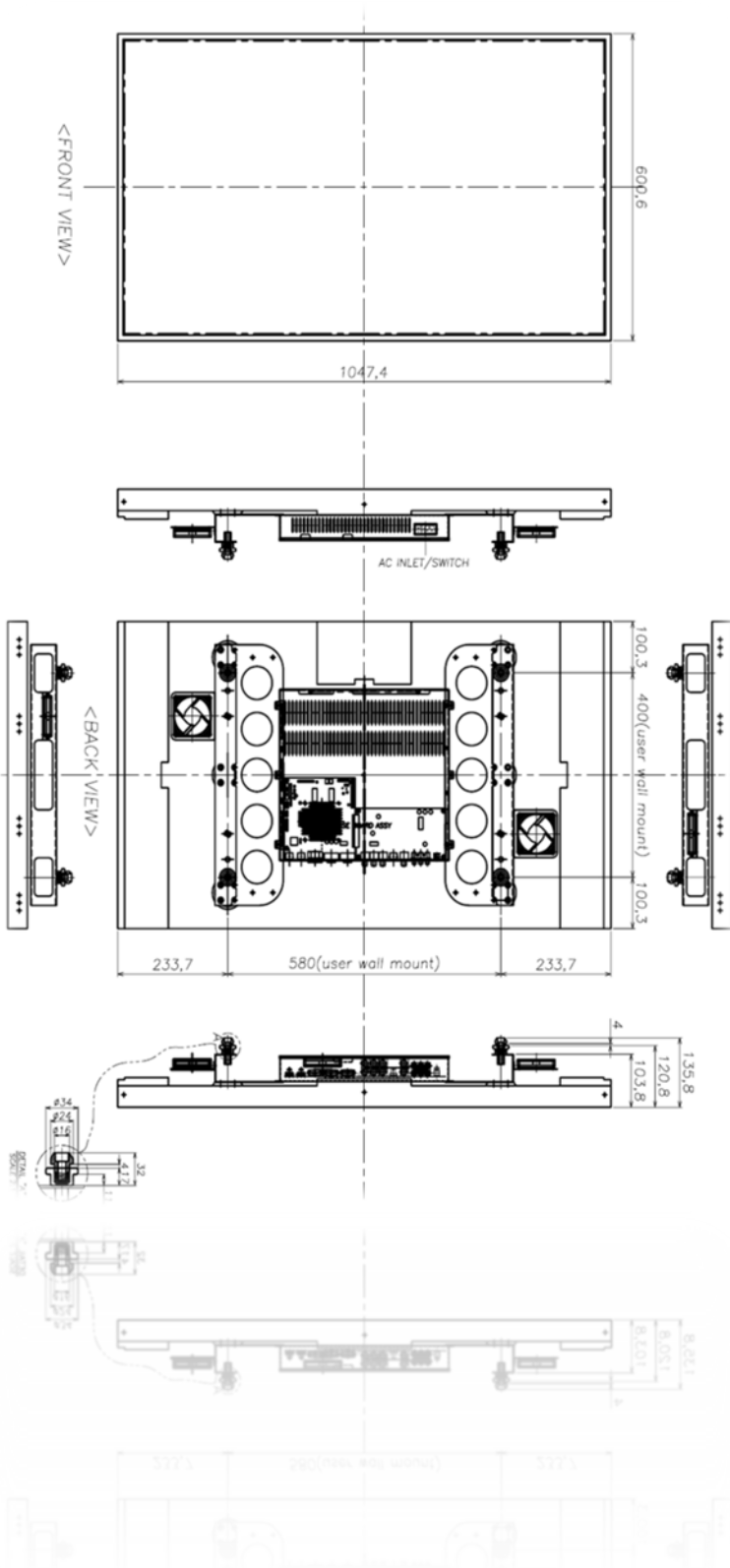
- ✓ Commercial grade DID panel from Samsung
- ✓ Built in video wall processor controls up to 16(H) X 16(V)
- ✓ Analog & Digital Video signal daisy chain compatibility
- ✓ Maintenance is greatly simplified, with back covers that can be easily removed without having to unmount displays
- ✓ Easy to use software control RS232 or Remote control
- ✓ Improved cooling technology allows continuous 24/7 operation
- ✓ Designed and Assembled in the U.S
- ✓ Built-in Video Wall Processor



<b>LCD Panel</b>		Samsung DiD Commercial Grade Panel	
Screen Size	46 Inch	Native Resolution	1920 X 1080
Pixel Pitch	0.7455 X 0.7455 mm	Brightness(Typ.)	700 cd/m <sup>2</sup>
Contrast Ratio(Typ.)	4000:1	Response time	8ms (typical G to G)
Viewing Angle(H/V)	178° / 178°		
<b>Physical Specifications</b>			
Bezel width	0.45in(11.5mm)	Dimensions(WxHxD, LBS)	41.2 x 23.6 x 4 in, 58lbs
Packing Dimensions	48 x 32 x 13 in, 70lbs		
<b>Operation</b>			
Operating Temperature	10°C ~ 40°C	Humidity	10 ~ 80 %
MTBF	50,000Hours	Run Time	Continuous 24/7
<b>Power Consumption</b>			
Power Consumption	260W(Max.)	Power Requirement	AC 100-240V @ 50/60Hz
<b>Connective</b>			
Input	Composite	CVBS AV In, 1 port BNC	
	Component	Y-Pb-Pr DTV In, 1 port BNC	
	PC	Analog RGB In, 1 port D-SUB	
	HDMI/DVI	Female, 1 port	
Output	RS-232C	9pin Female, 1 port D-SUB	
	Composite	CVBS AV Out, 1 port BNC	
	Component	Y-Pb-Pr DTV Out, 1 port BNC	
	HDMI/DVI	Female, 1 port	
Signal Spec.	RS-232C	9pin Female, 1 port D-SUB	
	Speaker Out	8 ohms 10W x 2 Channel	
	PC	HF:20~80 kHz / VF:55~75 Hz / 1920x1080, 60Hz Max.	
	HDMI/DVI	HF:20~80 kHz / VF:55~75 Hz / 1920x1080, 60Hz Max.	
Video Wall	CVBS	NTSC / PAL	
	Component	480i/480p, 576i/576p, 720p, 1080i	
	HDMI/DVI Loop	480p, 576p, 720p, 1080p	
ACCESSORIES	Component Loop	480p, 576p, 720p	
	External Control	RS-232 out for monitor control	
<b>ACCESSORIES</b>			
	Cable	D-Sub, Power Cord, RS-232C	
	Others	Manual, Battery, Remote control	
<b>WARRANTY SERVICE</b>			
	On site Limited warranty	1 years parts and labor	

### Standard Features:

- ✓ Anti-Burn In  
Prevention for long term static image
- ✓ ACS(Auto Cooling System)  
Automated heat sensors and fans operate only when needed for quieter operation while maintaining optimal n temperature
- ✓ APT(Auto Power Timer)  
Automated timer allows scheduling when AC power is detected
- ✓ NDS(NO Dismantle For Service)  
Module system allows for quick servicing without dismantling unit with use of our swing out wall mount
- ✓ PIP/POP 
  - Input Source: DVI(HDMI)/PC/Component/ AV
  - Size: You can select a source size of the sub-picture.
  - Position: You can select a source position of the sub-picture.
  - Swap: You can select the main screen and the sub screen will swap.
  - Sound Select: You can select the sound of the sub screen can be selected when PIP is being displayed.
- ✓ VWP(Video Wall Processor)  
Single and or multiple images controlled by built in processor for video wall application, user friendly
- ✓ DSD(Digital Signal Daisy Chain)  
HDMI with HDCP compliance(Video signal Only)



### Optional Features:

- ✓ ASER(Automatic Status & Error Report)  
Automatic status updates and error message are sent through RS232C
- ✓ AMP(Adaptive Multimedia Player)  
Optional PC with USB inputs and Ethernet capability
- ✓ RFRC(Radio Frequency Remote Controller)  
Control monitor can be used from any location
- ✓ CCS(Color Calibration Solution)  
Ensures color uniformity and fidelity across individual and multiple screens, creating a perfectly matched image in tiled environments

### Optional Accessories:

- ✓ Protective glass and cosmetic bezel
- ✓ Custom mounts and swing out mounts
- ✓ Custom floor stands
- ✓ Custom containers

### DTV Resolution Table

Resolution	H Freq. ( khz )	V Freq. ( hz )	Pixel Freq. ( mhz )	Comments
720x480	15.735	59.94	13.500	Interlace
720x576	15.735	50.0	13.595	Interlace
720x480	31.469	59.94	25.175	
720x576	31.250	50.0	26.566	
1280x720	44.964	59.94	74.176	
1280x720	37.500	50.0	60.466	
1920x1080	33.750	60.0	74.25	Interlace
1920x1080	28.125	50.0	70.723	Interlace
1920x1080	31.250	50.0	72.000	Interlace
1920x1080	148.500	60.000	67.500	1080p
1920x1080	148.352	59.940	67.433	1080p
1920x1080	148.500	50.000	56.250	1080p

### PC Resolution Table

Resolution	H Freq. ( khz )	V Freq. ( hz )	Pixel Freq. ( mhz )	Comments
640x400	37.861	85.08	31.5	
640x350	31.469	70.087	25.175	
640x350	37.861	85.08	31.5	
640x480	31.469	59.94	25.175	
640x480	35.000	66.667	30.24	
640x480	34.940	69.884	28.513	
640x480	37.861	72.809	29.765	
640x480	37.500	75.0	31.5	
640x480	43.269	85.008	36.0	
640x480	45.540	90.0	37.889	
720x400	31.469	70.087	28.322	
720x400	37.927	85.039	35.5	
800x600	35.156	56.25	36.0	
800x600	37.879	60.317	40.0	
800x600	43.764	70.02	45.513	
800x600	48.077	72.188	50.0	
800x600	46.875	75.0	49.5	
800x600	53.674	85.061	56.25	
800x600	56.880	90.0	60.065	
832x624	49.726	74.551	57.284	
1024x768	48.780	60.001	64.11	
1024x768	48.363	60.004	65.0	
1024x768	56.476	70.069	75.0	
1024x768	57.703	72.039	78.476	
1024x768	60.241	74.927	81.724	
1024x768	60.030	75.029	78.75	
1024x768	68.677	84.997	94.5	
1024x768	72.810	90.0	100.187	
1152x864	53.700	60.0	81.624	
1152x864	62.932	69.924	96.663	
1152x864	67.500	75.0	104.993	
1152x870	68.681	75.062	100.0	
1152x900	61.846	66.0	94.787	
1152x900	72.713	76.047	105.561	
1280x720	47.760	60.0	74.481	
1280x720	52.500	70.0	89.040	
1280x720	54.072	72.0	91.706	
1280x720	56.400	75.0	95.654	
1280x768	60.150	75.0	102.977	
1280x960	60.000	60.0	102.104	
1280x960	59.640	60.0	102.104	
1280x1024	63.337	59.978	108.18	
1280x1024	63.981	60.02	108.0	
1280x1024	64.754	60.06	108.992	
1280x1024	63.600	60.0	108.883	
1360x768	47.700	60.0	84.700	
1680x1050	146.250	59.954	65.290	
1600x1200	162.000	60.000	75.000	
1920x1080	138.500	59.934	66.587	
1920x1080	148.500	60.000	67.500	1080p
1920x1080	148.352	59.940	67.433	1080p