SPECIFICATIONS

	MODEL	XA060F	XA080F	XA100F	XA160F
Physical Parameter	Pixel Pitch	6.0 mm	8.0 mm	10.0 mm	16.0 mm
	Pixel Configuration	1 Red, 1 Green, 1 Blue	1 Red, 1 Green, 1 Blue	1 Red, 1 Green, 1 Blue	1 Red, 1 Green, 1 Blue
	Pixel Density	27,778 m^2 / 2,580 ft^2	15,625 m^2 / 1,452 ft^2	10,000 m^2 / 929 ft^2	3,906 m^2 / 363 ft^2
	Diode Density	83,333 m^2 / 7,742 ft^2	46,875 m^2 / 4,355 ft^2	30,000 m^2 / 2,787 ft^2	11,719 m^2 / 1,089 ft^2
	Cabinet Configuration (LxH)	192 x 144 pixels	144 x 108 pixels	96 x 96 pixels	60 x 60 pixels
	Diode Type	SMD2727	SMD3535	SMD3535	DIP346
	Dimensions (LxH)	1152 x 864 x 142 (per cabinet)	1152 x 864 x 142 (per cabinet)	960 x 960 x 142 (per cabinet)	960 x 960 x 154 (per cabinet)
	Weight	56 kg (per cabinet)	56 kg (per cabinet)	52 kg (per cabinet)	55 kg (per cabinet)
	Cabinet Construction	Steel	Steel	Steel	Steel
Optical Parameter	Brightness (after Cal.)	6,300 nit	6,300 nit	6,750 nit	7,700 nit
	Contrast Ratio	3,000:1	3,000:1	3,000:1	3,000:1
	Viewing Angle - Horizontal	140°	140°	140°	120°
	Viewing Angle - Vertical	90°	90°	80°	60°
	Number of Colors	4.4 trillion colors	4.4 trillion colors	4.4 trillion colors	4.4 trillion colors
	Gray Scale Intensity (Bit-depth)	14bit	14bit	14bit	14bit
	Color temperature - Default	6,500K	6,500K	6,500K	6,500K
	Color temperature - Adjustable	2800 - 16000K	2800 - 16000K	2800 - 16000K	2800 - 16000K
Electrical Parameter	Input Power Range	100~120V or 200~240V VAC, 50/60 Hz	100~120V or 200~240V VAC, 50/60 Hz	100~120V or 200~240V VAC, 50/60 Hz	100~120V or 200~240V VAC, 50/60 Hz
	Power consumption - Max	1000 (W/m^2) / 92.9 (W/ft^2)	900 (W/m^2) / 83.6 (W/ft2)	900 (W/m^2) / 83.6 (W/ft2)	650 (W/m^2) / 60.4 (W/ft^2)
	Power consumption - Typical	350 (W/m^2) / 32.5 (W/ft^2)	320 (W/m^2) / 29.7 (W/ft^2)	320 (W/m^2) / 29.7 (W/ft^2)	220 (W/m^2) / 20.4 (W/ft^2)
	Refresh rate	≥2000 Hz	≥2000 Hz	≥2000 Hz	≥4000 Hz
Operation Conditions	Working Temperature	-30℃ to 50℃ (-22°F to 122°F)	-30℃ to 50℃ (-22°F to 122°F)	-30℃ to 50℃ (-22°F to 122°F)	-30℃ to 50℃ (-22°F to 122°F)
	Cooling	Fan	Fan	Fan	Fan
	IP Rating	IP65 front/IP45 rear	IP65 front/IP45 rear	IP65 front/IP45 rear	IP65 front/IP45 rear
	LED Lifetime	100,000 hours	100,000 hours	100,000 hours	100,000 hours
Certification		FCC, CE, CB, CCC, KC (TBD)	FCC, CE, CB, CCC, KC (TBD)	FCC, CE, CB, CCC, KC (TBD)	FCC, CE, CB, CCC, KC (TBD)
Service		Rear Service	Rear Service	Rear Service	Rear Service

SAMSUNG

SAMSUNG SMART LED SIGNAGE

XAF SERIES

Revitalize Outdoor Engagement through Consistent and Reliable LED Content

As more businesses turn to LED signage to distinguish themselves in crowded settings, Samsung's XAF Series displays bring the power and impact of LED outdoors. The XAF Series displays are engineered to deliver essential business content to external audiences regardless of surrounding environmental or lighting conditions, and are durably designed to perform over extended periods of use. The result is an all-encompassing outdoor signage solution that helps businesses achieve their goals and broaden their exposure without incurring substantial costs.

HIGHLIGHTS

- Excellent and consistent picture quality that shines in any outdoor setting
- IP(Ingress Protection) validation symbolizes displays' ability to withstand dust and water exposure
- Reinforced design extends displays' shelf life while maintaining real-time reliability
- Over-voltage and over-current protection enhances product and user safety
- Comprehensive support fuels a seamless installation and efficient maintenance

SAMSUNG

INDUSTRY TRENDS

Outdoor retail and entertainment settings are among the most visually-crowded anywhere. As a result, businesses must find new ways to break through the clutter and capture the attention of target customers. Additionally, businesses need solutions that are low-maintenance and capable of performing in variable outdoor conditions. Business managers cannot afford to waste valuable operational time rebooting or reprogramming signage to match the surrounding weather or time of day, and need to be able to trust their tools to deliver critical messages consistently and without interruption.

SAMSUNG'S LED SIGNAGE XAF SERIES:
CAPTIVATE OUTDOOR AUDIENCES IN AN EASY-TO-MAINTAIN PACKAGE

Through a durable, all-inclusive design, Samsung's XAF Series displays bring the power of LED outside, expanding business' opportunities to attract and intrigue key customers.

CONTINUOUS PERFORMANCE IN ALL CONDITIONS

Every XAF Series display undergoes thorough environmental testing and inspection to validate its performance against potential interference from heat, weather and human contact, among others. Through this durable design and a host of integrated, electromagnetically-compatible components, businesses can enjoy optimal operation anywhere and at any time.

A BUSINESS-FRIENDLY SOLUTION

Samsung's XAF Series displays deliver the reach and visual power of LED signage that businesses desire, but in a more affordable and efficient manner. With the XAF Series, outdoor users can enthrall audiences with brilliant and colorful content without breaking the bank – either for up-front design and installation costs or ongoing maintenance.

SIGNAGE EXPERTISE FOR ANY ENVIRONMENT

As a complete signage solutions provider, Samsung has a proven history of delivering high-performing displays for a variety of indoor and outdoor venues. Our expertise allows us to design and install reliable, customized displays that solve our partners' challenges throughout a given facility, and do so while reducing their operational costs and burdens.

KEY FEATURES

A CLEAR AND CONSISTENT PICTURE

Regardless of surrounding weather or lighting conditions, the XAF Series delivers featured content at optimal visibility and uniformity. Through a high 2,400 Hz. refresh rate*, the displays can stream videos without distortion or interruption. The XAF Series' design also deters light interference and maintains uniform, 6,300nit brightness at all times.

*Note: Each XAF Series display's brightness and refresh rate will vary depending on pixel pitch composition.

AN ENVIRONMENTALLY-STABLE DESIGN

Samsung's XAF Series displays undergo strict pre-deployment maintenance to ensure continuous performance and quality even when exposed to water, dust and other outdoor elements. This includes Ingress Protection (IP) validation that confirms excellent defense for both the front (IP65 certified) and back (IP45 certified) sides of the display. Operators in turn can feel confident that their displays will operate regardless of the environment.

A DURABLE AND RELIABLE OUTDOOR ALTERNATIVE

Rigorous environmental testing validates the XAF Series' ability to withstand exposure to a variety of natural and unintentional scenarios. This includes exposure to high-temperature, high-humidity and salt spray corrosion chambers that mirror wide-ranging weather conditions, package vibration and drop testing to enhance stability during shipping. Additionally, a reinforced design, including corrosion-proof painting and anti-UV, deformation-proof housing, extends the XAF Series' shelf life.

A SAFER AND MORE SECURE OPERATION

Each XAF Series display is built with meticulous attention to safety, and Samsung takes numerous precautions to protect both users and the display itself. Integrated over-voltage protection mechanisms safeguard the display from electrical surges and lightning exposure, while a complementary circuit breaker shields the internal circuit from excess currents. For added defense, the XAF Series displays undergo certification testing to validate each component's electromagnetic compatibility.

A COMPREHENSIVE SIGNAGE MANAGEMENT PROCESS

From planning through installation, Samsung's dedicated service team guarantees a seamless, allencompassing signage management process that saves valuable time and money. Our signage experts design and configure customized displays that suit our customers' unique outdoor operations. Proactive, round-the-clock service also helps alleviate problems and prevent disruptions that can hinder customer engagement.