



**EKTA Company offers:
LED-Wall Outdoor Large Full-Color Professional Video Displays**

Markets and Locations for Use:

- Outdoor advertising
- Stadiums and other sport facilities
- Malls, banks and car dealerships
- Airports, rail and bus stations, other transport infrastructure facilities
- Entertainment centers, casinos, night clubs, restaurants
- City information systems
- Architecture
- Show business and public events



Distinctive Advantages:

EXCEPTIONAL BRIGHTNESS. LED-Wall Outdoor professional series is specially designed to provide high quality images with the required level of brightness and contrast under conditions of maximum illumination and direct sunlight. The maximum calibrated brightness of LED-Wall Outdoor displays varies from 10,500 to 5,000 NIT.


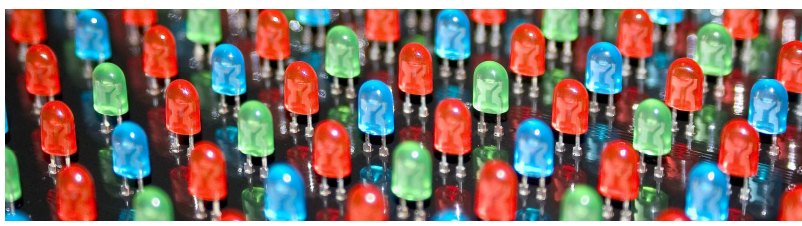
SUPERIOR PROTECTION. EKTA manufactures a series of specialized products and solutions for professional visualization tasks. The company's outdoor product line has a rugged IP65 rating and the ability to operate under the harshest conditions of: maximum precipitation, extreme temperatures, physical overstressing and moving. Similar competitive display solutions are only custom produced and are essentially more expensive.

ENHANCED IMAGE QUALITY. Incorporating EKTA cutting edge technology LED-Wall Outdoor video displays ensure perfect video and graphics performance with great color depth and uniformity across the entire surface of the screen. The brand calibration system Uniformity² is used in all EKTA display solutions. It provides 99.5% of brightness uniformity across the entire surface of a screen as well as in individual modules, which sets the company's displays far and away apart from among other competing LED products.

LIGHTWEIGHT AND COMPACT MODULE. With a size of 0.387x0.387 m, the LED-Wall Outdoor module gives great flexibility for assembling video screens of any configuration. It is 0.09 m thin, weights 6 kg (37.5 kg/m²), which makes EKTA displays one of the thinnest and the lightest video screens in the world. Competitive equipment is 0.15 to 0.80 m thick and weights 50 to 100 kg/m². With such construction, EKTA LED screens are really easy-to-use products providing the best options for rental business and allowing easy installation, even in places with difficult access.

POWERFUL PROCESSING AND CONTROL SYSTEM. LED-Wall Outdoor displays feature advanced 16-bit processing for each color (48 bit per pixel). EKTA products have an integrated intellectual system of self-diagnostic and self-protection ensuring maximum safety and reliability for the most sophisticated visual tasks.

Technical Specifications of LED-Wall Outdoor Video Displays:

LED-Wall Outdoor	LVM 8C-vp	LVM 10C-vp	LVM 12C-vp
Display Size	Display sizes can vary multiple to module dimensions. 4:3 or 16:9 TV format is recommended for video displays.		
Module Dimensions	0.387x0.387x0.09 m	0.387x0.387x0.09 m	0.387x0.387x0.09 m
Module Area	0.15 m ²	0.15 m ²	0.15 m ²
Module Resolution: – virtual pixels – real pixels	48x48 24x24	40x40 20x20	32x32 16x16
Pixel Density	3,860 pixels/m ²	2 670 pixels/m ²	1 710 pixels/m ²
Pixel Pitch: – virtual – real	8 mm 16 mm	9.65 mm 19.3 mm	12 mm 24 mm
Pixel LED Configuration	R – 2 pieces (Avago) PG – 1 piece (Nichia) B – 1 piece (Nichia)	R – 2 pieces (Avago) PG – 1 piece (Nichia) B – 1 piece (Nichia)	R – 2 pieces (Avago) PG – 1 piece (Nichia) B – 1 piece (Nichia)
Color Processing	16 bit	16 bit	16 bit
Colors	Up to 281 trillion (48 bit)	Up to 281 trillion (48 bit)	Up to 281 trillion (48 bit)
Viewing Angle: – horizontal – vertical	140° 60°	140° 60°	140° 60°
Maximum Brightness	15,000 NIT	11,500 NIT	9,500 NIT
Calibrated Brightness	10,500 NIT	9,000 NIT	7,500 NIT
Refresh Rate	250 Hz minimum	250 Hz minimum	250 Hz minimum
Minimum Viewing Distance	12 m	16 m	20 m
Lifetime	> 100,000 hours	> 100,000 hours	> 100,000 hours
Operating Temperature	-30°C to +50°C	-30°C to +50°C	-30°C to +50°C
Power Supply	380 V +20% -60%; 50 Hz	380 V +20% -60%; 50 Hz	380 V +20% -60%; 50 Hz
Power Consumption: – average – maximum	300 W/m ² 1,330 W/m ²	300 W/m ² 1,330 W/m ²	200 W/m ² 900 W/m ²
Module Weight	6 kg	6 kg	6 kg
Display Weight	37.5 kg/m ²	37.5 kg/m ²	37.5 kg/m ²
			

Technical Specifications of LED-Wall Outdoor Video Displays (SMD 3-in-1):

LED-Wall Outdoor	LVM 9C	LVM 12C	LVM 16C
Display Size	Display sizes can vary multiple to module dimensions. 4:3 or 16:9 TV format is recommended for video displays.		
Module Dimensions	0.387x0.387x0.086 m	0.387x0.387x0.086 m	0.387x0.387x0.086 m
Module Area	0.15 m ²	0.15 m ²	0.15 m ²
Module Resolution	40x40	32x32	24x24
Pixel Density	10,740 pixels/m ²	6,940 pixels/m ²	3,850 pixels/m ²
Pixel Pitch	9.6 mm	12 mm	16 mm
Pixel LED Configuration	RGB – 1 piece (Nichia)	RGB – 1 piece (Nichia)	RGB – 1 piece (Nichia)
Color Processing	16 bit	16 bit	16 bit
Colors	Up to 281 trillion (48 bit)	Up to 281 trillion (48 bit)	Up to 281 trillion (48 bit)
Viewing Angle	150°	150°	150°
Maximum Brightness	8,000 NIT	8,000 NIT	7,000 NIT
Calibrated Brightness	6,000 NIT	6,000 NIT	5,000 NIT
Refresh Rate	1,000 Hz	1,000 Hz	1,000 Hz
Minimum Viewing Distance	8 m	10 m	14 m
Lifetime	> 100,000 hours	> 100,000 hours	> 100,000 hours
Operating Temperature	-20°C to +40°C	-20°C to +40°C	-20°C to +40°C
Power Supply	380 V +20% -60%; 50 Hz	380 V +20% -60%; 50 Hz	380 V +20% -60%; 50 Hz
Power Consumption: – average – maximum	300 W/m ² 1,330 W/m ²	300 W/m ² 1,330 W/m ²	250 W/m ² 1,150 W/m ²
Module Weight	6 kg	6 kg	6 kg
Display Weight	37.5 kg/m ²	37.5 kg/m ²	37.5 kg/m ²
			