



excite™ Billboard Series

The AlphaEclipse Excite 20/23mm series is designed to provide the ultimate outdoor advertising experience. High-resolution video impact adds excitement to your business, and provides the latest technology that will meet your needs now and into the future. Excite designs are all digital. Don't even consider investing in old analog VGA processing or VGA converter systems like our competitor's use. Excite's advanced architecture provides lightning fast DVI connectivity, pure image transmissions without analog loss, and huge file display processing.

Digital Design - All DVI digital connectivity, and reliability – throughout our entire design. PureColor™ LED processing wows your targeted viewing audience without color or image loss. Standard Embedded PC design enables powerful control; fast downloads of huge files, and industry standard Ethernet connectivity.

Maintenance Free - All weather Protector™ sealed case design eliminates vents, filters and environmental contaminants. No more corrosion issues or concerns associated with rain, dust, and salt fog. To provide another level of protection, sensitive internal electronics are conformal coated.

- Video board or marquee message center – Two different standard product offerings
- Flexible – Many modular sizes from 2' x 4' to 14' x 48' billboard dimensions
- Powerful – Visible from 85' to over 1500', high resolution fits any main street or highway need
- Efficient – Energy Smart LED technology that is affordable, reliable and energy efficient
- Profitable – No other out-of-home medium provides a faster ROI through increased sales & profits



Standard Features

- All digital design with industry standard DVI architecture
- Embedded PC with Ethernet connectivity
- Alphamation graphic library – hundreds of animations
- Video display processing 60fps
- Message marquee 20fps display processing
- Ooh!Media™ software
- Peace-of-Mind 5-year factory parts warranty
- Wired, wireless Ethernet, DSL or cable modem
- Digital PureColor™ processing - 4 Billion colors

AlphaEclipse™ Excite™ Billboard Series Specifications

23mm Series

| Rows | Columns | Display Area H x W | Case Dimensions H x W | Total AC Current Amps 230 VAC Single Phase (Maximim)* | Total AC Current Amps 230 VAC Single Phase (Nominal)** | Power Watts | Weight |
|------|---------|-----------------------|--------------------------|---|--|----------------|------------|
| 128 | 384 | 9.7' x 29' | 10' x 28.6" | 90 amps | 50 amps | 21,390 Watts | 3,900 lbs. |
| 128 | 400 | 9.7' x 30.2' | 10' x 30' | 94 amps | 52 amps | 21,620 Watts | 4,000 lbs. |
| 128 | 464 | 9.7' x 35' | 10'6" x 36'8" | 109 amps | 60 amps | 25,070 Watts | 4,700 lbs. |
| 144 | 288 | 10.9' x 21.7' | 11' x 22' | 76 amps | 42 amps | 17,480 Watts | 3,200 lbs. |
| 144 | 304 | 10.9' x 22.9' | 12' x 24' | 80 amps | 44 amps | 18,400 Watts | 3,300 lbs. |
| 144 | 640 | 10.9' x 48'3" | 12' x 48'6" | 168 amps | 92 amps | 38,640 Watts | 7,200 lbs. |
| 176 | 624 | 13.3' x 47.1' | 14' x 48' | 200 amps | 110 amps | 46,000 Watts | 8,000 lbs. |

20mm Series

| Rows | Columns | Display Area H x W | Case Dimensions H x W | Total AC Current Amps 230 VAC Single Phase (Maximim)* | Total AC Current Amps 230 VAC Single Phase (Nominal)** | Power Watts | Weight |
|------|---------|-----------------------|--------------------------|---|--|----------------|------------|
| 144 | 432 | 9.5' x 28.4' | 10' x 28.6" | 87 amps | 48 amps | 25,875 Watts | 3,800 lbs. |
| 144 | 448 | 9.4' x 29.4' | 10' x 30' | 92 amps | 51 amps | 19,322 Watts | 3,900 lbs. |
| 144 | 528 | 9.4' x 34.6' | 10'6" x 36' | 109 amps | 60 amps | 22,767 Watts | 4,700 lbs. |
| 160 | 336 | 10.5' x 22' | 11' x 22' | 77 amps | 39 amps | 16,106 Watts | 3,200 lbs. |
| 176 | 352 | 11.5' x 23.1' | 12' x 24' | 89 amps | 42 amps | 18,556 Watts | 3,500 lbs. |
| 176 | 736 | 11.5' x 48'3" | 12' x 48'6" | 184 amps | 101 amps | 38,769 Watts | 7,600 lbs. |
| 208 | 720 | 13.6' x 47.2' | 14' x 48' | 214 amps | 118 amps | 44,818 Watts | 8,400 lbs. |

*Maximum amperage rating for circuit sizing. **Typical amperage rating that corresponds to a 50% load.

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|---|--|--|
| LED Pixel: | 20mm/.79 inch pitch 23mm/.90 inch pitch 1Red/1Green/1Blue LED | Special Features: –Industry standard 1GB compact flash memory for message storage –External temperature probe –Marquee and Video models have DVI monitor capability –Protector™ case – enclosure design eliminates external contamination by rain, salt fog or dust and reflects solar radiation. –Conformal coated electronics seals out condensation/moisture penetration –Automatic thermal protection for all electronics –One thermostatically controlled fan per module for internal air mixing. |
| LED Color: | 4 Billion colors | |
| Digital Display Matrix Size: | Min. 32 x 96 / Max. 80 x 192 (for marquee center or video board) | |
| Digital Display Case Dimensions: | Min. 2' 1.2" x 6' 3.6" / Max. 5' 2.3" x 12' 7.2" 9.75" deep (including 3" steel mounting angle) | |
| Viewability & Intensity: | 140° horizontal/60° vertical, 10,000 nits equivalent | |
| Power/Module: | 78 watts maximum per module (8 x 16 display driver) | |
| Controller: | Embedded PC, DVI link to the sign monitor | |
| Connectivity to Controller: | Wired or wireless Ethernet, and DSL or cable modem (third party requirement) | |
| Service Access: | Front access door opens to enable access to all internal components. Display drivers (16 x 16) are removable without opening the front access door | |
| Case Material: Mounting: | UL50 type 3R, IP44 aluminum cabinet Steel mounting angle for welding, bolting to third party superstructure | |
| Size & Weight per Module: | 12.6" x 12.6", ~13.5 lbs. per 16 x 16 display driver | Filtering Maintenance: Not required, no external vents Operating Temperature: -30° to 122°F / -34° to 50°C Limited Warranty: Five-year limited factory depot warranty. Third party supplied devices such as modems, wireless devices, carry a warranty respective of the supplier. See Adaptive Terms & Conditions for complete warranty details. |
| Dimming: | 3% – 100% | |
| Video Frame Rate: | Message marquee version: 20fps Excite Video version: 60fps | |
| Agency Approvals: | ANSI/UL 60950-1 CAN/CSA C22.2 No. 60950-1-03 C-ETL-US listing mark and CE Marking | |

NOTE: Many more sizes are available

Approximate dimensions, power and weight – call your Adaptive dealer for architectural/engineering drawings before beginning your project design. Due to continuing product innovations, all specifications are subject to change without notice.