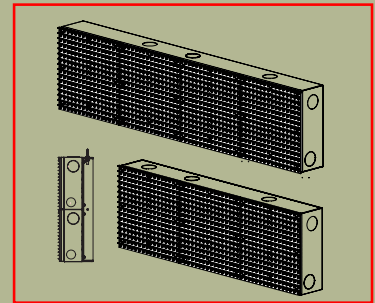# 20mm Color Series

The 20mm Color LED is designed to provide the ultimate outdoor advertising experience. The 20mm pitch produces a dominant, outdoor full color LED digital sign for medium speed roads around town.

Digital Design - All DVI digital connectivity, and reliability – throughout our entire design. PureColor™ LED processing wows your targeted viewing audience with dynamic color and dramatic visibility. Standard Embedded PC design enables powerful control; fast downloads of huge files, and industry standard Ethernet connectivity.

Maintenance Free - All weather Protector™ 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 6' to 14' x 48' billboard dimensions
• Powerful – Visible from 100' to over 2500', high resolution fits any main street or highway need
• Efficient – Energy Smart LED technology that is affordable, reliable and energy efficient

• *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 P ureColor™ processing - 4 billion colors*

ElectronicSigns.com
800-341-6397
www.electronicsigns.com

Rows	Columns	Height	Width	Weight	5.5" Characters (7 pixels high)**	Character Height Choices**	Number of Shippable Sections	Total AC Current 115 VAC Req. (Amps)
32	96	2' 1.60"	6' 4.0"	158	4 lines of 16 char.		1	7.12
32	112	2' 1.60"	7' 4.59"	184	4 lines of 18 char.	3.9" - 25.2"	1	8.13
32	128	2' 1.60"	8' 5.19"	211	4 lines of 21 char.		1	9.14
48	96	3' 2.20"	6' 4.0"	237	6 lines of 16 char.		1	10.63
48	112	3' 2.20"	7' 4.59"	276	6 lines of 18 char.	3.9" - 37.8"	1	12.14
48	128	3' 2.20"	8' 5.19"	317	6 lines of 21 char.		1	13.65
64	128	4' 2.80"	8' 5.19"	421	8 lines of 21 char.		1	18.16
64	144	4' 2.80"	9' 5.79"	474	8 lines of 24 char.	3.9" - 50.4"	1	21.13
64	160	4' 2.80"	10' 6.39"	526	8 lines of 26 char.		1	23.15
80	128	5' 3.40"	8' 5.19"	526	10 lines of 21 char.		1	22.67
80	144	5' 3.40"	9' 5.79"	592	10 lines of 24 char.	3.9" - 63.0"	1	26.39
80	160	5' 3.40"	10' 6.39"	658	10 lines of 26 char.		1	28.90

Two series types; Excite marquee message centers with 20 fps performance, and Excite Video boards offering high speed video performance at 60 fps. All series offer digital PureColor™ processing, high brightness, and wide viewing angles to produce a dynamic, visual impact like no other digital signage product available today.

LED Pixel:	20mm/.79 inch pitch 1Red/1Green/1Blue LED
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. 13' 7" x 47' 3" 9.75" deep (including 3" steel mounting angle)
Viewability & Intensity:	140° horizontal/60° vertical, 10,000 nits equivelant
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", ~13.5lbs. per 16 x 16 display driver
Dimming	3% –100%
Video Frame Rate:	Message marquee version: 20fps Excite Video version: 60fps

Special Features:	–Industry standard 1 Gigabyte compact flash memory for message storage
	–External temperature probe (optional)
	–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.
Filtering Maintenance:	Not required, no external vents
Operating Temperature:	-40° to 122°F / -40° 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 Terms & Conditions for complete warranty details.
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, up to 13' 7" x 47' 3"