



Detailed Specification Sheet

19MM MONOCHROME LED SIGN

Standard Watchfire Features	
Application	Advertising and branding
Module Type	Smart Module – fully self contained
LED Encapsulation	Fully Encapsulated with unique bed of silicone
Compliance Information	UL48, CUL48, UL Energy Verified - Green Leaf
Environmental Rating	IP 65 per face
Lifetime (1/2 brightness)	100,000 hours
Ventilation	Unique cross ventilation and fans
Power	120 or 240 volt single phase 60Hz
Cabinet construction	Extruded aluminum, precision mitered solid weld corners
Cabinet depth	Front-vent signs - 5"/101.6mm; Cross-vent & Rear-vent signs - 8"/203mm
Service access	Front
Software	Proprietary Ignite®
Cabinet Temperature Rating	-40° F to +140° F
Electronics Temperature Rating	-40° F to +185° F
Thermal Control	Sign automatically shuts down if over 65° C (144°F).
Dimming	Automatic Software: 4 steps. Photocell: 1% to 100% in 1% increments with software backup.
LED Type	Nichia, Cree
Security	Security hasp & password protected
User Interface	Web & stand alone PC application
Graphics compatibility	Import capability from most AVI sources. BMP, GIF, JPG and other graphic file types.
Video compatibility	PAL, NTSC
Video formats	With Ignite 11.1 most AVI & WMV formats. Options include composite, component, S-Video, VGA, DVI, HDMI.
Weatherproofing	Tested per ASTM B-117 that exposes test materials to a continuous, 95°F, 7.2 ph salt fog, for 2,000 hours.
Self-Diagnostic Monitoring & Reporting	Advanced on-demand or automated diagnostics available

Technical Specifications	Monochrome Series
Model number	19mm Monochrome
Pixel pitch	19.05mm (.750")
Optimized Pixel Pitch	True 19mm
Pixel Density Per Sq. Ft.	256
Pixel Density Per Sq. Meter	2755
LEDs per Sq. Ft.	256
LEDs per Sq. Meter	2755
Pixel configuration	True pixel, 1R or 1A
Max Brightness	5,000 Nits
Matrix configuration	16 x 16 pixels
Module H x W	12" x 12"
Horizontal viewing angle	90°
Vertical viewing angle	40°
Weight per module	8" cabinet - 4.25 lbs; 5" cabinet - 3.95 lbs
Color processing	12 bit
Calibration	Digit Batch Inspection—Pixel to Pixel and Module to Module
Minimum viewing distance	60 ft
Live Video Capable	No
Video frame rate	Up to 30 FPS
Shading Depth	4,096
Character Height	5" & larger