



## Detailed Specification Sheet

# 19MM COLOR LED SIGN

### Standard Watchfire Features

<b>Application</b>	Advertising and branding
<b>Module Type</b>	Smart Module – fully self contained
<b>LED Encapsulation</b>	Fully Encapsulated with unique bed of silicone
<b>Compliance Information</b>	UL48, CUL48, UL Energy Verified - Green Leaf
<b>Environmental Rating</b>	IP 65 per face
<b>Lifetime (1/2 Brightness)</b>	100,000 hours
<b>Ventilation</b>	Unique cross ventilation and fans
<b>Power</b>	120 or 240 volt single phase 60Hz
<b>Cabinet Construction</b>	Extruded aluminum, precision mitered solid weld corners
<b>Cabinet Depth</b>	Front-vent signs - 5"/101.6mm; Cross-vent & Rear-vent signs - 8"/203mm
<b>Service Access</b>	Front
<b>Software</b>	Proprietary Ignite®. Integrates with digital signage players via Ignite live video option.
<b>Cabinet Temperature Rating</b>	-40° F to +140° F
<b>Electronics Temperature Rating</b>	-40° F to +185° F
<b>Thermal Control</b>	Sign automatically shuts down if over 65° C (144°F).
<b>Color Temperature</b>	6500° Kelvin fixed (XVS only)
<b>Dimming</b>	Automatic Software: 4 steps. Photocell: 1% to 100% in 1% increments with software backup.
<b>Electronic Validation</b>	Accurate Proof of Performance on XVS Signs
<b>LED Type</b>	Nichia, Cree
<b>Security</b>	Security HASP & password protected
<b>User Interface</b>	Web & stand alone PC application
<b>Graphics Compatibility</b>	Import capability from most AVI sources. BMP, GIF, JPG and other graphic file types.
<b>Video Compatibility</b>	PAL, NTSC, Live Video Capable on XVS
<b>Video Formats</b>	With Ignite 11.1 most AVI & WMV formats. Options include composite, component, S-Video, VGA, DVI, HDMI.
<b>Weatherproofing</b>	Tested per ASTM B-117 that exposes test materials to a continuous, 95°F, 7.2 ph salt fog, for 2,000 hours.
<b>Self-Diagnostic Monitoring &amp; Reporting</b>	Advanced on-demand or automated diagnostics available

Technical Specifications	W-Series	XVS Series
<b>Model Number</b>	W19mm	XVS 19mm
<b>Pixel Pitch</b>	19.05mm (.750")	19.05mm (.750")
<b>Optimized Pixel Pitch</b>	True 19mm	True 19mm
<b>Pixel Density Per Sq. Ft.</b>	256	256
<b>Pixel Density Per Sq. Meter</b>	2,755	2,755
<b>LEDs Per Sq. Ft.</b>	768	768
<b>LEDs Per Sq. Meter</b>	8,266.7	8,266.7
<b>Pixel Configuration</b>	True pixel, 1R, 1G, 1B	True pixel, 1R, 1G, 1B
<b>Max Brightness</b>	10,000 NITS	10,000 NITS
<b>Matrix Configuration</b>	16 x 16 pixels	16 x 16 pixels
<b>Module H x W</b>	12" x 12"	12" x 12"
<b>Horizontal Viewing Angle</b>	140°	140°
<b>Vertical Viewing Angle</b>	70°	70°
<b>Weight Per Module</b>	8" cabinet - 4.25 lbs; 5" cabinet - 3.95 lbs	8" cabinet - 4.25 lbs; 5" cabinet - 3.95 lbs
<b>(Video) Processing</b>	Not Applicable	Video frame grabber on live video option
<b>Color Processing</b>	14 bit	16 bit
<b>Calibration</b>	Digit Batch Inspection— Pixel to Pixel and Module to Module	Whole-Sign Color Calibration
<b>Minimum Viewing Distance</b>	60 ft	60 ft
<b>Live Video Capable</b>	No	Yes
<b>Video Frame Rate</b>	Up to 30 FPS	Up to 60 FPS
<b>Color Capability</b>	1.15 quintillion	590 quintillion
<b>Character Height</b>	5" & larger	5" & larger