Motium’s TUFF View MLC-812 LCD monitor is compact, robust, lightweight and has been specifically designed to ensure successful vehicle deployment in the harshest environments and toughest industries.

Clever Technology
- Motium’s unique sunlight readable touch display
- Resistive touch technology
- Ultra-efficient, high brightness 1,400nit LED backlight
- One VGA input
- Two Composite video inputs
- Digital Inputs for external control
- Picture In Picture
- Integration with any PC
- Wide voltage input range, 6-36v DC
- Transient and Surge Protection to ISO7367

Customised Solutions
Designing and manufacturing with our own technology means we can tailor our products to your specific needs.

Ongoing Support
We create strong, long-lasting partnerships with our clients. We offer ongoing support and guidance for effective installation and efficient use of all products.

Contact Us
For product enquiries or further information about the entire TUFF View range contact us at sales@motium.com

KEY MARKETS
- Mining
- Municipal Services
- Military
- Transportation

RESILIENT, ROBUST, CLEVER
**TUFF VIEW MLC-812**  
Enhanced Sunlight Readable  
8.0" Touch Monitor

**SPECIFICATIONS**

<table>
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<th>DISPLAY</th>
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| Viewable Area | 4:3 aspect ratio.  
162mm (W) x 121.5mm (H).  
8.0-inch (20.32cm) diagonal. |
| Native Resolution | 800 x 600; dot pitch:  
0.2055mm x 0.2055mm. |
| Contrast Ratio | 500:1 typical. 400:1 minimum. |
| Colours | 18-bit (262,144). |
| Response Time | Ton: 10 ms typ. Toff: 15 ms typ. |
| Brightness | 1,400 nits typical.  
This value only applies to indoor performance.  
The effective outdoor performance is greater than 1,600 nits. (1 nit = 1 Cd/m2.) |
| Viewing Angle | Horizontal: 140° typ, 120° minimum.  
Vertical: Up: 50° typ and 40° minimum.  
Down: 70° typ and 60° minimum. |
| Touch | 5-wire resistive on 1.8mm glass.  
A high quality, replaceable surface protection  
film is also fitted. |

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<th>CONTROLLER</th>
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| Video Input | VGA: Analog RGB, 0.7Vp-p.  
DDC Support.  
Composite Video: NTSC, PAL-B, PAL-D, PAL-G, PAL-I, PAL-K |
| VGA Input Resolutions | 640 x 480, 800 x 600, 1024 x 768, 1280 x 1024. The monitor automatically  
scales the input signal. |
| Video Input Resolutions | PAL: 625 lines; NTSC: 525 lines.  
160 x 120, 320 x 240, 640 x 480, 768 x 576, 800 x 600, 1,024 x 768, 1,280 x 1,024.  
The monitor automatically scales the input signal. |
| Input Frequency | 50Hz, 60Hz and 70Hz.  
60Hz is recommended. |
| Configuration | On-Screen Display (OSD) includes: Image  
Colour, Image Formatting, Source Selection  
& Picture In Picture, Backlight Management,  
Power Management, Audio, OSD  
Management, About. |

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<th>USER INTERFACE</th>
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| Monitor Controls | Front panel buttons are: Power On/Off,  
Backlight Brightness Up and Down, OSD  
Menu/Input Selection, Volume Up and Down. |
| Keypad Lock | Monitor controls can be disabled individually  
preventing operators from having access to the  
associated features. |
| Menu Lock | The monitor menu can be locked with a code  
preventing operators from having access to the  
settings in the monitor. |

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<th>AUDIO</th>
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| Control | Control of monitor volume through  
OSD menu. |
| Speaker | Front panel mounted mono speakers.  
Speakers are intended for connection to a PC or media device for voice commands,  
operator feedback and warning tones. |

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<thead>
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<th>PHYSICAL CHARACTERISTICS</th>
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<td>Mounting</td>
<td>75mm VESA compatible mounting holes on the rear panel.</td>
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</table>
| Dimensions | 215mm (W) x 183mm (H) x 37mm (D);  
Plus 18mm for connector body; plus 54mm when connector is mated. |
| Weight | 1.0kg |
| Shipping Package | Dimensions: 260mm (W) x 210mm (H) x 85mm (D).  
Weight: 1.25kg. |
| Temperature | Operating: -40°C to +75°C.  
Storage: -40°C to +85°C. |
| Humidity | 10% to 90% RH, non-condensing. |
| Certification | C-tick.  
Other certifications available upon request. |

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<td>Power Supply</td>
<td>Input voltage range 8 VDC to 45 VDC.</td>
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<tr>
<td>Power Consumption</td>
<td>14-watts maximum.</td>
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</table>
| Accessory Control | The monitor has an accessory input for power  
on and off control. This input is different to  
the power on/off button. Using this input  
results in zero off-state power consumption. |
| Power Management | The monitor has timing options for no video  
input shutdown and accessory off shutdown. |
| Transient Protection | Load dump and other transients specified in  
ISO-7367. |

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<th>SUPPORT</th>
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| Warranty | Motium displays carry a 24-month return to base, limited hardware warranty.  
Additional 12 and 24-month warranties are also available. |

**ORDERING OPTIONS**
The MLC-812 is available in standard models and can also be customised with a variety of options. OEM branding and options are also available, minimum order quantities may apply.  
Cable assemblies must be ordered separately, standard and custom options are available.  
Contact Motium for order codes. Specifications subject to change without notice.