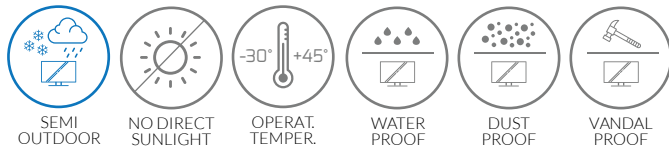




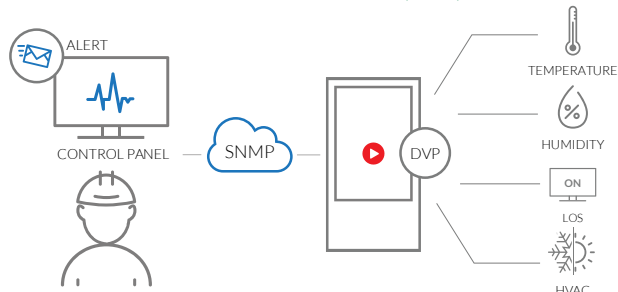
# SIGNUM SMO

Monitor



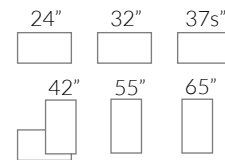
The SMO semi-outdoor are professional ultra strong monitors that provide real-time public service informations in airports, bus stations or railway stations. The shell is made entirely of extruded aluminum, immune to electromagnetic interference and extremely resistant to corrosion, water and iron powders. The displays run from 24" to 65" and comes with anchor hanging by a special lattice, or in special cases on a pole. Both versions can be configured with single-sided or double-sided display elements. The monitors SMO new designed by Fida use TFT LCD panels with LED backlight that can reduce energy consumption up to 40%, compared to TFT LCD panels of old design. Other advantages of LED backlight, in favor of the old CCFL technology, consist in not making use of harmful substances, improved image quality and increased product life cycle of up to 50,000 hours of use.

## ADVANCED DIAGNOSTIC SYSTEM (DVP)



- ALUMINIUM METAL CASE
- TEMPERATURE RANGE -30°C / - +45°C
- EASY ACCESS FOR MAINTENANCE
- 24/7 USAGE
- ADVANCED DIAGNOSTIC SYSTEM
- DUST AND WATER PROTECTION
- VANDAL PROOF FRONTAL GLASS DOOR
- ROBUST AND RELIABLE

### DISPLAY SIZES



### STRUCTURE AND MATERIALS

- Main structure in anti-corrosive aluminum
- Antiglare safety 4+3 tempered glass
- Safety Lock and invisible screws and hinges
- Shock absorber for easy maintenance (L37s vers.)
- Vandal proof grade structure (IK08)
- Wide range of accessories for wall and ceiling mounting

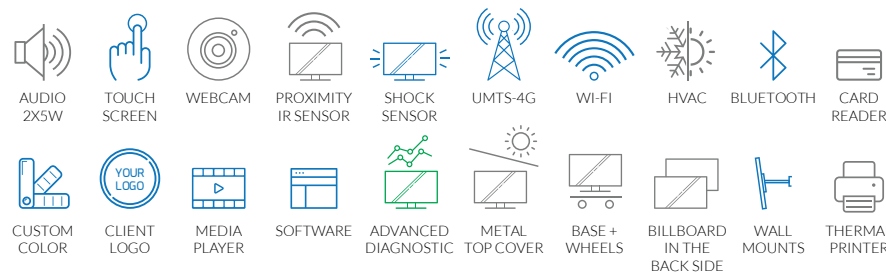
### COLORS AND FINISHES



Various varnish colors available  
Client logo customization

### OPTIONS

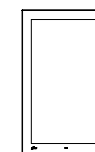
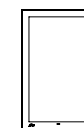
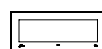
● Available ● Not Available ● Included



### TESTS AND CERTIFICATIONS

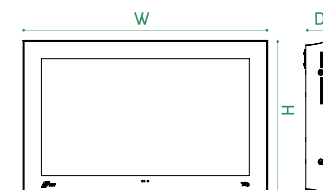
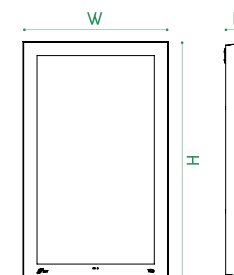


FS CAP IV 2015  
EMC EN 50293 - EN 55014 - EN 55022 - EN 61000-3 - EN 61000-4  
Environmental Test: IEC 60068-2-1; IEC 60068-2-14  
Safety: IEC 60950-1  
Random Vibration Test: IEC 60068-2-64  
IP Code IEC 60529  
IK Rating IEC 62262  
LVD 2014/35/EU - EMC 2014/30/EU - ROHS 2011/65/UE



## TECHNICAL SPECIFICATIONS

| General                   | SMO.L24<br>(Landscape)                       | SMO.L32<br>(Landscape)                       | SMO.L37s<br>(Landscape)                      | SMO.P42<br>(Portrait)                        | SMO.L42<br>(Landscape) | SMO.P55<br>(Portrait)                        | SMO.P65<br>(Portrait)                        |
|---------------------------|--|--|--|--|------------------------|--|--|
| Product code              | SMO.L24<br>(Landscape)                       | SMO.L32<br>(Landscape)                       | SMO.L37s<br>(Landscape)                      | SMO.P42<br>(Portrait)                        | SMO.L42<br>(Landscape) | SMO.P55<br>(Portrait)                        | SMO.P65<br>(Portrait)                        |
| Screen size (inch)        | 24"  | 32"  | 37s"   | 42"  |                        | 55"  | 65"  |
| Screen active area (cm)   | 52,7 X 29,6                                  | 69,8 X 39,2                                  | 90,4 X 25,4                                  | 52,4 X 93,1                                  |                        | 68,1 X 121                                   | 80,3 X 142,8                                 |
| Display brightness (nits) | 1500   | 1000   | 1000   | 700  |                        | 700  | 700  |
| Backlight technology      | LEDedge                                      | LEDedge                                      | LEDedge                                      | LEDedge                                      |                        | LEDedge                                      | LEDedge                                      |
| Screen resolution (pixel) | Full HD - 1920x1080                          | Full HD - 1920x1080                          | 1920 x 540                                   | Full HD - 1920x1080                          |                        | Full HD - 1920x1080                          | Full HD - 1920x1080                          |
| Contrast ratio            | 1000:1 (typ)                                 | 3000:1 (typ)                                 | 4000:1 (typ)                                 | 4000:1 (typ)                                 |                        | 4000:1 (typ)                                 | 4000:1 (typ)                                 |
| Viewing angle (H/V)       | 178° / 178°                                  | 178° / 178°                                  | 178° / 178°                                  | 178° / 178°                                  |                        | 178° / 178°                                  | 178° / 178°                                  |
| Backlight Life cycle      | 50.000 hours                                 | 50.000 hours                                 | 70.000 hours                                 | 50.000 hours                                 |                        | 50.000 hours                                 | 50.000 hours                                 |
| System operation          | 24/7/365                                     | 24/7/365                                     | 24/7/365                                     | 24/7/365                                     |                        | 24/7/365                                     | 24/7/365                                     |
| Screen orientation        | Landscape                                    | Landscape                                    | Landscape                                    | Portrait                                     | Landscape              | Portrait                                     | Portrait                                     |
| Screen side               | Single                                       | Single                                       | Single                                       | Single                                       |                        | Single                                       | Single                                       |
| Interactive touch         | n.a.   | Projected capacitive<br>(optional)           | n.a.   | Projected capacitive<br>(optional)           |                        | Projected capacitive<br>(optional)           | Projected capacitive<br>(optional)           |
| Environment               |  |  |  |  |                        |  |  |
| Environment rating        | Semi-Outdoor<br>IP55 (Nema 3S)               | Semi-Outdoor<br>IP55 (Nema 3S)               | Semi-Outdoor<br>IP55 (Nema 3S)               | Semi-Outdoor<br>IP55 (Nema 3S)               |                        | Semi-Outdoor<br>IP55 (Nema 3S)               | Semi-Outdoor<br>IP55 (Nema 3S)               |
| Operating temperature     | -30°C (*) / +45°C                            | -30°C (*) / +45°C                            | -30°C (*) / +45°C                            | -30°C (*) / +45°C                            |                        | -30°C (*) / +45°C                            | -30°C (*) / +45°C                            |
| Environment humidity      | 10% - 90%                                    | 10% - 90%                                    | 10% - 90%                                    | 10% - 90%                                    |                        | 10% - 90%                                    | 10% - 90%                                    |
| Antivandal protection     | IK08   | IK08   | IK08   | IK08   |                        | IK08   | IK08   |
| Enclosure                 |  |  |  |  |                        |  |  |
| Air cooling system        | Ventilation                                  | Ventilation                                  | Ventilation                                  | Ventilation                                  |                        | Ventilation                                  | Ventilation                                  |
| Standard color            | Black (RAL9005)<br>Gray (RAL9006)            | Black (RAL9005)<br>Gray (RAL9006)            | Black (RAL9005)<br>Gray (RAL9006)            | Black (RAL9005)<br>Gray (RAL9006)            |                        | Black (RAL9005)<br>Gray (RAL9006)            | Black (RAL9005)<br>Gray (RAL9006)            |
| Enclosure material        | Aluminium                                    | Aluminium                                    | Aluminium                                    | Aluminium                                    |                        | Aluminium                                    | Aluminium                                    |
| Glass                     | Laminated glass<br>(4mm + 3mm)               | Laminated glass<br>(4mm + 3mm)               | Laminated glass<br>(4mm + 3mm)               | Laminated glass<br>(4mm + 3mm)               |                        | Laminated glass<br>(4mm + 3mm)               | Laminated glass<br>(4mm + 3mm)               |
| Glass reflection          | Anti-reflection                              | Anti-reflection                              | Anti-reflection                              | Anti-reflection                              |                        | Anti-reflection                              | Anti-reflection                              |
| Dimensions - Power        |  |  |  |  |                        |  |  |
| Vac supply                | 230V AC +/- 10                               | 230V AC +/- 10                               | 230V AC +/- 10                               | 230V AC +/- 10                               |                        | 230V AC +/- 10                               | 230V AC +/- 10                               |
| Power consumption (Typ)   | 45W  | 140W   | 92W  | 146W   |                        | 161W   | 266W   |
| Height (cm)               | 45   | 55   | 44   | 109,5  | 69                     | 137,5  | 164,5  |
| Width (cm)                | 68   | 85,5   | 109,5  | 69   | 109,5                  | 84,5   | 101,5  |
| Depth (cm)                | 12,5   | 12,5   | 12,5   | 12,5   | 12,5                   | 12,5   | 12,5   |
| Weight (Kg)               | 22   | 30   | 31   | 38   | 38                     | 70   | 90   |
| Notes                     | (*) -30°C only w/ heater<br>(normally -10°C) | (*) -30°C only w/ heater<br>(normally -10°C) | (*) -30°C only w/ heater<br>(normally -10°C) | (*) -30°C only w/ heater<br>(normally -10°C) |                        | (*) -30°C only w/ heater<br>(normally -10°C) | (*) -30°C only w/ heater<br>(normally -10°C) |



Frontal Door with hinges on the Right (Left hinges upon request).

Only for SMO.L37s: Frontal Door with hinges on the Bottom.