ARCHASOL
an Archatrak Company

REAL TIME TRAFFIC UPDATES

ULTRA LOW POWER CONSUMPTION

LIGHTS TRIGGERED BY APPROACH

PAPERLIKE DAYTIME READABILITY

VANDAL DETECTION

DIGITAL TRAFFIC & PARKING SIGNS

DESCRIPTION

Large e-paper signage for providing up to the minute advice to motorists on traffic conditions, parking restrictions or availability, with content updatable in real time via cellular networks.

Operating completely independently from the power grid, e-paper traffic signs can be installed practically anywhere. Easily manage critical city corridors, peak hour traffic flow and special events. Reduce operational costs for permanent signs and vastly improve flexibility in temporary sign placements.

Signs are programmed to 'wake up' during pre-scheduled windows of time when the content on the sign needs changing. Outside the 'waking' time, the signs use no power.

Sensors detect any tamper attempts, enabling road services to react quickly if any signs are damaged or moved.

FEATURES

- Display traffic updates and alternative routes in real time.
- Sustainable - powered only by solar energy
- Paperlike daytime readability, even in direct sunlight
- LED light integrated front panel light, triggered by approaching dusk
- Unaffected by power outages. Faultless operation in extreme weather conditions

- Update data displayed in real time via cellular network
- Less strain on resources. Minimizes use of temporary sign placements
- Ultra-low power consumption. 99% more power efficient than LCD or LED
- Instant detection of location coordinates and tamper attempts

SPECIFICATIONS

DISPLAY

SIZE	29" x 17.3"
VISIBILITY	16-level grayscale, 180° viewing angle
RESOLUTION	2560 x 1440 pixels
LED LIGHT	Integrated frontlight for night viewing
REFRESH RATE	250 msec (1-Bit) typical, adaptive waveform to ambient temperature
OPERATING TEMP.	-4°F to +122°F.
NON-OPERATING TEMP.	-13°F to +158°F

SOLAR POWER MODULE
(OPTIONAL)

POWER	12V @ 20W - optimized for low light conditions
BATTERY	70 Ah Lithium Iron Phosphate (LiFePO4) – Optional
BATTERY LIFE	~30 days without solar charge

CONNECTIVITY

MOBILE WIRELESS	3G/4G (Requires subscription with network provider)
SOFTWARE	Subscription service or self-hosting