ARCHASOL
an Archatrak Company

eMODULE | **INFORMATION DISPLAYS**

DESCRIPTION

Highly visible, outdoor-ready, e-paper display units for displaying promotional or informational content. Equipped with either a 13.3" or 32" diagonal screen enclosed in IP67 rated dust-tight, waterproof "cassettes" with toughened glass front, eModules are supplied ready for mounting into any third-party casing or display panel.

eModules can be incorporated in outdoor products as solar bench seats, solar powered information boards or phone charging stations, as stand-alone signage outside retail establishments, or for publishing community information and promoting events.

Data displayed can be updated remotely in real time via the inbuilt modem and software provided.

PAPERLIKE DAYTIME READABILITY

FEATURES

- Paperlike daytime readability, even in direct sunlight and adverse light conditions.

- Incorporates LED side lights to provide nighttime visibility.

- Strong, dust-tight, UV protected and waterproof casing.

- Impact detection to prevent tampering.

- 99% more power efficiency than LCD or LED displays and no mains connection required.

- Includes sensors for monitoring humidity, battery level, signal strength, temperature.

- Only requires connection to a 12v power supply (battery or solar) primarily to supply LED side illumination for night visibility.

- Can display information at precisely targeted times, providing revenue opportunities from advertising.

- Create and update content in real time from any location via internet connectivity. Upload simple images or display any web content in HTML format.

- Visionect Software Suite supports open API integration of any web-based back-end system.

SPECIFICATIONS

DISPLAY

GLASS	Grade A safety glass
VISIBILITY	16-level grayscale, 180° viewing angle
LED LIGHTING	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

CONNECTIVITY

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

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

CASING

COLOR	Black
WEATHER PROTECTION	IP67 compliant - dust-tight and waterproof
IMPACT PROTECTION	IK10
IMPACT DETECTION	Internal accelerometer

eMODULE 13		eMODULE 32	
SCREEN SIZE	13.3 in.	**SCREEN SIZE**	32 in.
RESOLUTION	1600 × 1200 pixels	**RESOLUTION**	2560 × 1440 pixels
GLASS CASING	6 mm toughened glass	**GLASS CASING**	10 mm toughened glass
HEIGHT	13.1 in.	**HEIGHT**	29 in.
WIDTH	9.2 in.	**WIDTH**	17.3 in.
DEPTH	1.5 in.	**DEPTH**	2.4 in.
WEIGHT	3.96 lb.	**WEIGHT**	24.7 lb.

eModule 13

eModule 32