

## **OSM© LIGHTING VIDEO SCREEN**

With the OSM© Light screen and micro processors you are really getting a functionality that has rarely been seen before or that has the ability to go from really small to fit any number of applications to go all the way to a billboard sized screen, and not use any more power than what is being consumed in the 5 square inch screen.

The battery chosen is a Lithium-Ion Polymer battery it is operating at 3.7V and can power the video, and screen for roughly 10-15 hours from a single charge.

The memory used on this application was a solid-state memory, which is more reliable on replay functions and less speed issues when changing the graphics. It also has the capacity of 2.5G. On larger applications we know that we can do the same solid-state memory but utilize it in a much larger capacity into terabytes. The other benefit of a solid state memory is the upload and erasing of the memory, so when a graphic or video is done you simply drag and drop it in your recycling container on your main computer no need to take up space with other drivers, etc.

In addition there are no moving parts like associated with hard drives, and less temperature issues as well.

In all weather conditions the components of our screen or OSM© Video out last other items in the same market place. Ours can operate in a temperature range of: - 50 degrees to 110 degrees Fahrenheit.

Making the screen and the OSM© Panel is a much more simplified process than making an LCD Screen. Our OSM© Panel also creates or emits it's own light in comparison to having to backlight an LCD or TFT-LCD.

Touch screen capabilities absolutely are possible.

The total thickness of our panel and board is roughly 2mm. This will help with weight, wind load, in addition to durability. The laminate is also scratch resistant, and UV resistant.

The viewing angle on our OSM© Panels is 185 degrees. This is a considerable amount more than that of an LCD or Plasma or LED. Those viewing angles are closer to the 160-degree mark. This means more people from more angles can see your message!

The power consumption is not more than the 3.7V battery, and the operating expense is drastically cut because there is no need for numerous cooling fans, and or heaters in the wintertime since we use solid-state components. We have a very low operating voltage as well.

Our OSM© Panel is comprised of a printed layer that has been etched to enable it to contain 512 pixels per square inch. This gives us a response time of less than < 0.01ms vs. LCD at 1.9 to 2.3ms!

Later versions of our technology will absolutely include wireless file transfers as well as messaging capabilities enabling on the fly data transfers. This could work out great for Emergency Management efforts alerting the general public of a weather danger, etc. Live streaming video will also be possible in the next versions to come.

The system will be compatible with both PC based and iOS system files.

Our system can be fully set in epoxy as well making it all 100% water proof. In addition to this a flexible flat speaker can be added or by using a resonator you will be able to achieve sound with zero inclination that there is a speaker in the system.

How our system works is it translates the audio files associated with a given picture even if it is static in nature. Then translates that to a video file, which enables us even greater freedoms when editing a particular piece. By doing this it allows for less power to be used as well because again we are using frequency based signals vs. and electronic driver if you will. A breakdown of this audio to picture lattice is extremely complex!

We have had some stumbling blocks in taking files that are created on a Mac based program, and converting them to work, this is because all audio files created on a Mac platform also include a ton of encrypted files that Apple has hidden into the audio/video files. Deciphering these files has been a chore. *Personally I would like to figure out how to delete these encryptions from an Apple base and work solely on the Mac platform, which could take in the PC, formats and convert them to our format, which is neither Apple based nor PC based.*

This OSM© screen, panel, video, is a perfect match to solar energy because our amp draw is so low and doesn't change no matter the video or photo being portrayed.