The S4 Tech Hybrid Analog/Digital Video Scrambler provides video scrambling to defend against the interception of video signals by non-authorized personnel. The hybrid analog/digital system digitally samples the live video stream and pseudo-randomly scrambles the video lines in the digital domain so that the image is obscured. The scrambled video information is converted back to analog and output as a standard NTSC signal. A descrambler unit on the receiving end, performs the inverse function and outputs the original NTSC video stream. The scrambler/descrambler pair can be used with either wired or wireless systems. It is provided as an OEM module as seen in the figure below that can be embedded into standard NTSC video transmission hardware.

The dimensions and I/O pins for the scrambler module are seen in the figure below.

**Specifications:**

- Digitally sampled and pseudorandom video line scrambling
- NTSC video input, NTSC video output
- Power: 12VDC input at 0.5A
- Dimensions: 2.4" X 1.6"