MORCOM Surveillance Systems

About MORCOM International, Inc.

Established in 1984, MORCOM INTERNATIONAL, INC. has provided a broad range of services to the government and commercial marketplace. MORCOM INTERNATIONAL, INC. is a strong, stable, and reputable company with the resources, proven management, leadership ability, and corporate commitment to provide a variety of high-technology products and services to our clients. MORCOM INTERNATIONAL, INC. specializes in the sale of radio communications and weather information equipment and systems that are critical to public safety, national defense, air and ocean navigation, and homeland security activities.

The following examples illustrate the types of systems that we supply:

- Surveillance and Direction Finding (DF) receivers
- Multichannel SIGINT and COMINT systems
- Signal Analysis Solutions
- Signal Detection and Classifications

MORCOM is not just a supplier of hardware; our company also offers services such as Information Systems Development, Infrastructure Planning, Network Management and Operations, Radio Communications Systems design, installation, training, and support.

Headquartered in Chantilly, Virginia, MORCOM INTERNATIONAL, INC. is certified as an 8(a) company by the SBA. This certification offers quick access to our goods & services for government and military buyers.
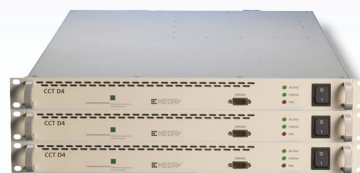
Surveillance Receivers

For several years, Morcom has provided government users with the adequate means for monitoring the radio spectrum for various Signal Intelligence (SIGINT) and Communications Intelligence (COMINT) applications. Monitoring the performance of a transmitter, recording events as they happen for later review and analysis, and the gathering of intelligence are all applications where a radio surveillance system is used.

We have systems available for signal analysis, remote receiver control, direction finding, wideband display, demodulation and decoding of multiple data transmission coding schemes. As systems' integrators, we will supply the appropriate hardware and software that will perform optimally for your application. Customized software solutions can be provided for special applications. When contacting us, let us know your requirements.

In addition, we can offer complete-integrated, multiple-receiver systems. Designed for surveillance, security, military, telecommunications, and media monitoring applications, these integrated systems provide cost-effective, elegant and powerful alternatives to conventional multi-receiver systems and monitoring, intercepting and logging facilities. Capable of receiving and recording radio communications on several channels simultaneously, as well as automatically making decisions based on user-specified circumstances, these systems represent a breakthrough in surveillance and monitoring.

Morcom has systems containing from two (02) to eight (08) receivers built into industrial type rack mountable computers.

Our surveillance systems are already used by military organizations, law enforcement agencies, investigative services, laboratories, research facilities, defense contractors and engineering companies.

Signal Analysis Solutions

We supply Signal Analysis software capable of performing Time Signal Analysis, Spectrum Analysis, DF Analysis, Signal Processing, Demodulation, Decoding, and Classification. Using these sophisticated analysis algorithms and advanced COMINT signal processing, operators can also derive meaningful results for difficult signal scenarios—providing the basis for a swift and reliable decision-making process.

Signal Detection and Classification

Morcom offers software that allows automatic signal detection and. First, the program generates a symbolic representation of the broadband signal. Individual emitters are detected by the system and described as segments in the time-frequency domain. The meta data, too, is automatically added to the segments. The result is a list of emitters with all the important technical parameters, such as signals, spectrums, modulation types, and other meta data.

Needless to say these data are decisive for further processing. If adequately conditioned, they provide an invaluable source of information. And secure the necessary knowledge advantage.

Technical Service

Our job does not conclude at delivery. Morcom takes pride in making available to its customers a comprehensive range of technical support options. From installation, telephone assistance, to after sales support services, we make sure that the customer is always satisfied with the investment made. When training of the end user is desired, Morcom can arrange for on-site operator and maintenance training. Make sure to request these options when contacting us for a quote.

Systems Design

If you have unique needs or if you are contemplating the purchase of a complete and integrated system, we can also help you. Morcom has a staff of communications engineers with experience in these types of systems that can discuss with you the details of your project. We can design and put together a system to satisfy your specific requirements.