



# SMS

## PASSIVE SURVEILLANCE GUARD

Satellite Monitoring System, SMS is a robust and intelligent monitoring system, designed to ensure the customers have ample time and information to reach a solution. It assists the Command Centre into making an appropriate decision by processing and interpret all the data obtained.



## Key Features



Automatic identification of new carrier frequency from targeted satellites.



Payload detection without interrupting traffic.



Data stored in database for future data comparison.



Hardware reconfiguration via GUI during operation.



Registration of satellite carrier of targeted satellites.



Recognition of duplex communication for interception.



Interception and auto correlation of DVB-S, DVB-S2 and DVB-S2X.




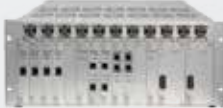
Capable to detect changes in usage of satellite transponders.

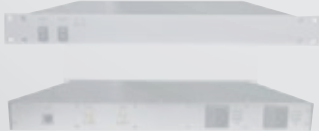


Customizable signal's parameter.

# Technical Specifications

## Demodulator System Specification:

Universal Demodulators		
SAS	Narrowband	Wideband
<p>Signal Analysis Stations (SAS) performs automated detection of satellite carriers (up to 71 MHz) and determines frequency parameters</p>	<p>NB channels are used to receive, demodulate and decode satellite signal with:</p> <p><b>Modulations:</b> BPSK, QPSK, OQPSK, 8PSK, 8QAM, 16QAM</p> <p><b>Symbol rate:</b> 9.6 KBaud-5.6 MBaud</p>	<p>WB channels are used to receive, demodulate, and decode satellite signal with:</p> <p><b>Modulations:</b> BPSK, QPSK, OQPSK, 8PSK, 8QAM, 16QAM</p> <p><b>Symbol rate:</b> 9.6 KBaud - 56 MBaud</p>
		
1U Rack		4U Rack


DVB Demodulators
<p>DVB channels are used to receive, demodulate and decode DVB-S, DVB-S2 and DVB-S2X with:</p> <p><b>Modulations:</b> QPSK, 8PSK, 16QAM, 16APSK, 32APSK, 64APSK, 128APSK, 256APSK</p> <p><b>Symbol rate:</b> 0.256 MBaud - 133 MBaud</p> <p><b>Roll-off:</b> 5%-10%-15%-20%-25%-35%</p>

1U Rack


## About Mindmatics

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Mindmatics Sdn. Bhd. specializes in providing comprehensive range of solutions in IT, computing and electronics. The strength of Mindmatics lies in the seamless synergy of solid technology-based design team with experienced R&D engineers. A host of homegrown innovations to fit the modern 'Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance and Targeting (C4ISRT) needs with almost 20 years of experience in the industry, boasting our original, localized and tailored solutions, we strive to meet all defined requirements and beyond.

 +603 8741 2707

 [msb@mindmatics.com.my](mailto:msb@mindmatics.com.my)

 [www.mindmatics.com.my](http://www.mindmatics.com.my)

