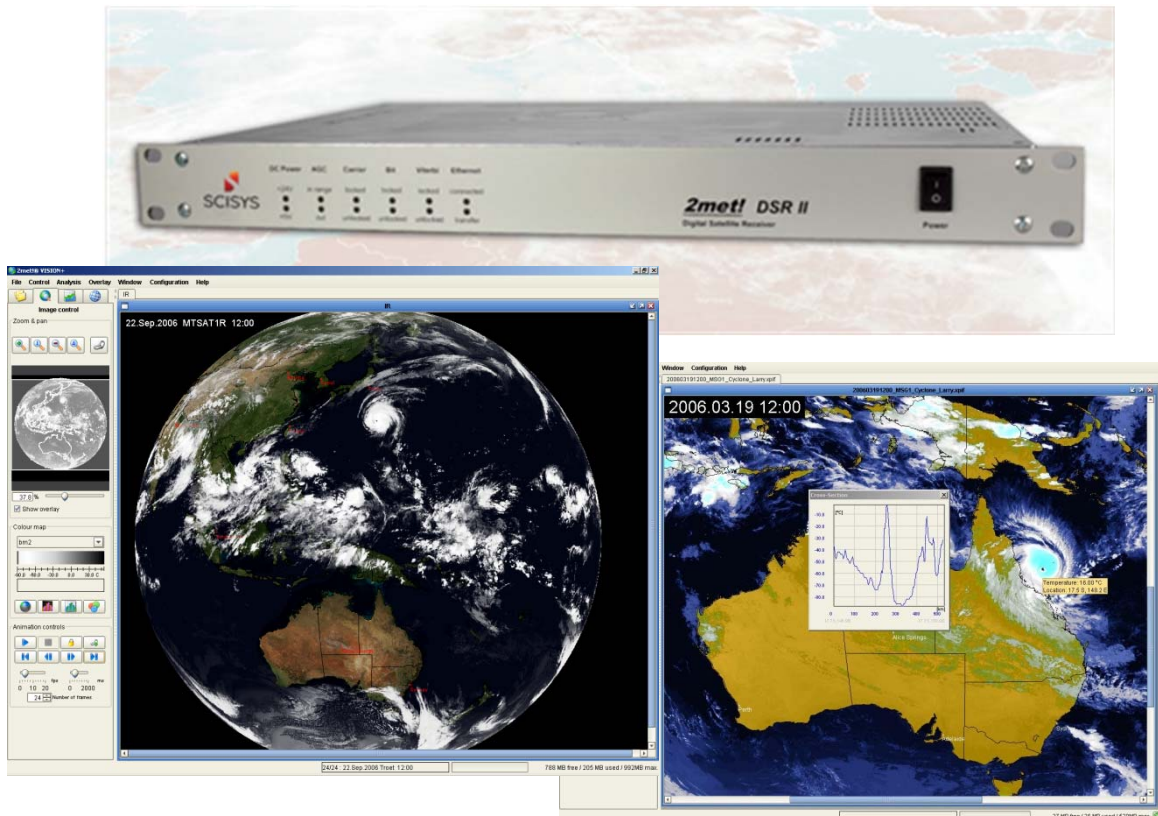


2met!® MTSAT LRIT Bundle MTSAT LRIT User Station

Release 1.0



FUNCTIONS

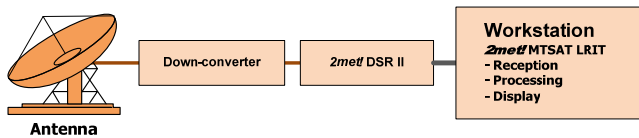
- Reception of LRIT data from MTSAT satellites
- Complete Forward Error Correction (Viterbi & Reed Solomon)
- Frame synchronisation and Reed-Solomon decoding performed in software
- Quicklook for Real-time Display
- Automatic product generation
- Calibration, Re-projection of Image Data
- Animation, Colour Mapping of Images
- Images available in BMP, JPEG etc.
- Colour Map Editor
- Sample Function in Display Tool

ADVANTAGES

- High performance DSP design for excellent data quality
- Receiver tested and used by NOAA, JMA and EUMETSAT
- Coding Gain +9.4 dB
- User friendly graphical interfaces/MMIs
- Advanced Colour Map (Blue Marble)
- Receiver-Computer Interface is standard Ethernet
- Runs on standard PC/workstation hardware (Windows 7, other operating systems on request)
- Easy set-up and configuration

2met!® DSR II Receiver

The DSR II receiver will be connected to the output of a down-converter. The IF frequency can be configured from 130 to 160MHz. The receiver is able to provide 15 to 20 Volts DC on the IF cable to feed the down-converter. The AGC range is large enough to support a wide range of down-converters. The receiver will be connected to the workstation via a 100BaseT Ethernet interface. The software package requires standard PC hardware running Windows 7 including a LAN interface.



Features:

- Front-panel LED's as status display
- Fully digital DSP design
- Wide input frequency range (130-160MHz)
- 100BaseT Interface for connection to PC
- Embedded Linux OS
- Hardware Viterbi decoder
- Down-converter power supply (15-20V via IF cable)
- Wide range power supply (85-240VAC)
- Low technical losses (typical < 0.4dB)

2met!® Software

The software bundle is a down sized version of our professional software suite used at many organisations including NOAA, JMA, EUMETSAT and airport security organisations all over the world. As a result we present a package which is designed according to professional standards but to reasonable price - including:

- Frame-Synchronisation
- Read-Solomon Decoder
- Real-time Quicklook for images
- Calibration of satellite
- Re-projection into Mercator, Polar-stereographic, satellite view type maps
- Automatic sun position correction for perfect visible image brightness control over the day

Technical Characteristics

Antenna	(not included)
Reflector	1.0m (JMA Specification 1.2m)
Receiver	2met!® DSR II
IF Frequency	130-160MHz (user selectable)
Power Supply	85-240VAC / 90 VA
Data Rate	664Kbps - 3.5Mbps
Power Supply	15-20V via IF Cable
Down-Converter	
Mechanical	19" form factor, 1 HU
Workstation	Standard Workstation or Server
Operating System:	Windows 7, Windows Server 2008, others on request

- Creation of shoreline overlays, land/lea – masks, image annotations. The overlays may be loaded on the fly during display or processed into the image
- Creation of RGB Composite Images
- Conversion of images into standard formats like BMP, TIF, JPEG, HDF and many others
- Display of image animations
- Colour map editor for false coloration
- Histogram Function
- Generation of MPEGs
- Automatic generation of user defined image products

Important:

Please note that the bundle does not include antenna, down-converter and workstation!

Ordering Information

2met!® MTSAT LRIT Bundle

This version provides all functions necessary to receive data from all relevant MTSAT missions.

Contacts

If you have any questions, please contact our Marketing and Sales Department at 2met@scisys.de



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