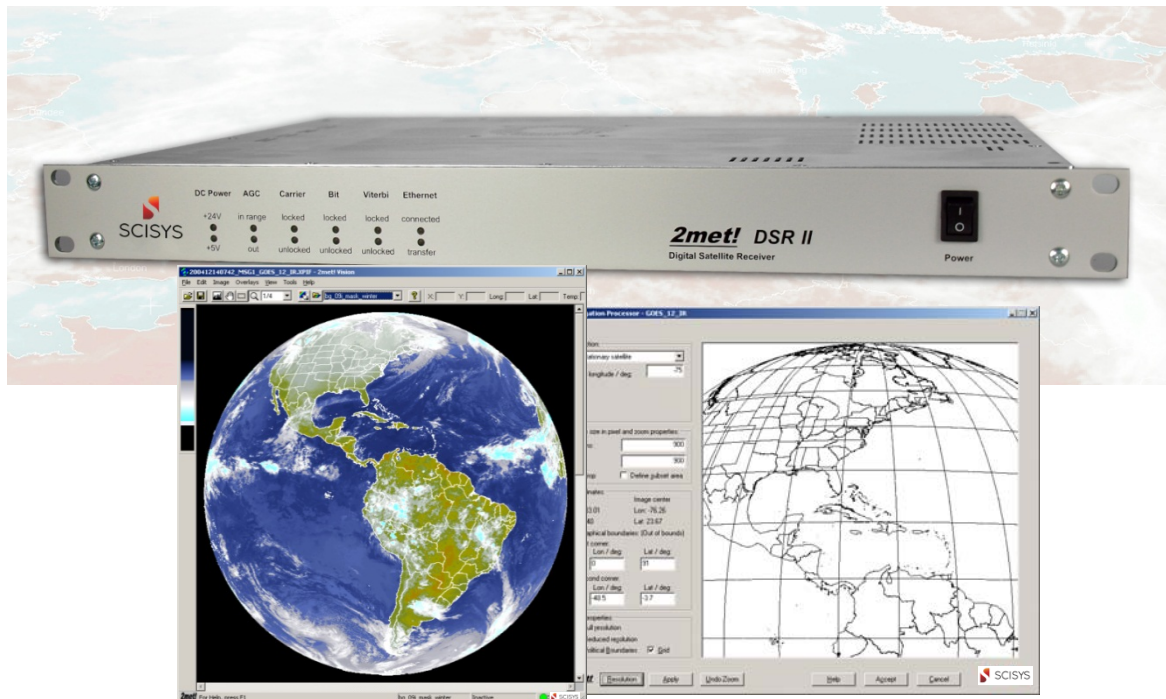


2met!® GOES LRIT GOES LRIT User Station Bundle

Release 1.0



FUNCTIONS

- Reception of LRIT data from GOES 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
- User friendly graphical interfaces/MMIs
- 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
- DCS/EMWIN data interface

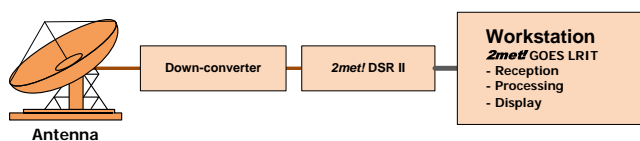
ADVANTAGES

- High performance DSP design for excellent data quality
- Receiver tested and used by NOAA, JMA and EUMETSAT
- Coding Gain +9.4dB
- Receiver-Computer Interface is standard Ethernet TCP/IP
- Runs on standard PC hardware (Windows 7, other operating systems on request)
- Low CPU resources required
- Easy set-up and configuration
- Upgrade to professional software version available
- Optional DAPS 2 DCP Interface

PRODUCT OVERVIEW

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 requires standard workstation 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 Bundle

The software bundle is a down-sized version of our professional system 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 data
- Re-projection into Mercator, Polar-stereographic, satellite view type maps
- Automatic sun position correction for perfect visible image brightness control over the day
- Creation of shoreline overlays, land/lea – masks, image annotations. The overlays may be loaded on the fly during display or processed into the image

Technical Characteristics

Antenna	(not included)
Reflector	1.0m (NOAA Specification 1.8m)
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 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
- GOES DCS data interface (File interface)
- EMWIN data interface (File interface)
- Automatic generation of user defined image products

Important

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

Ordering Information

2met!® GOES LRIT Bundle

This version provides all functions to receive data from the relevant GOES mission.

Options

- Upgrade to professional 2met!® SW
- DAPS II DCS Data Interface

Contacts

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

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