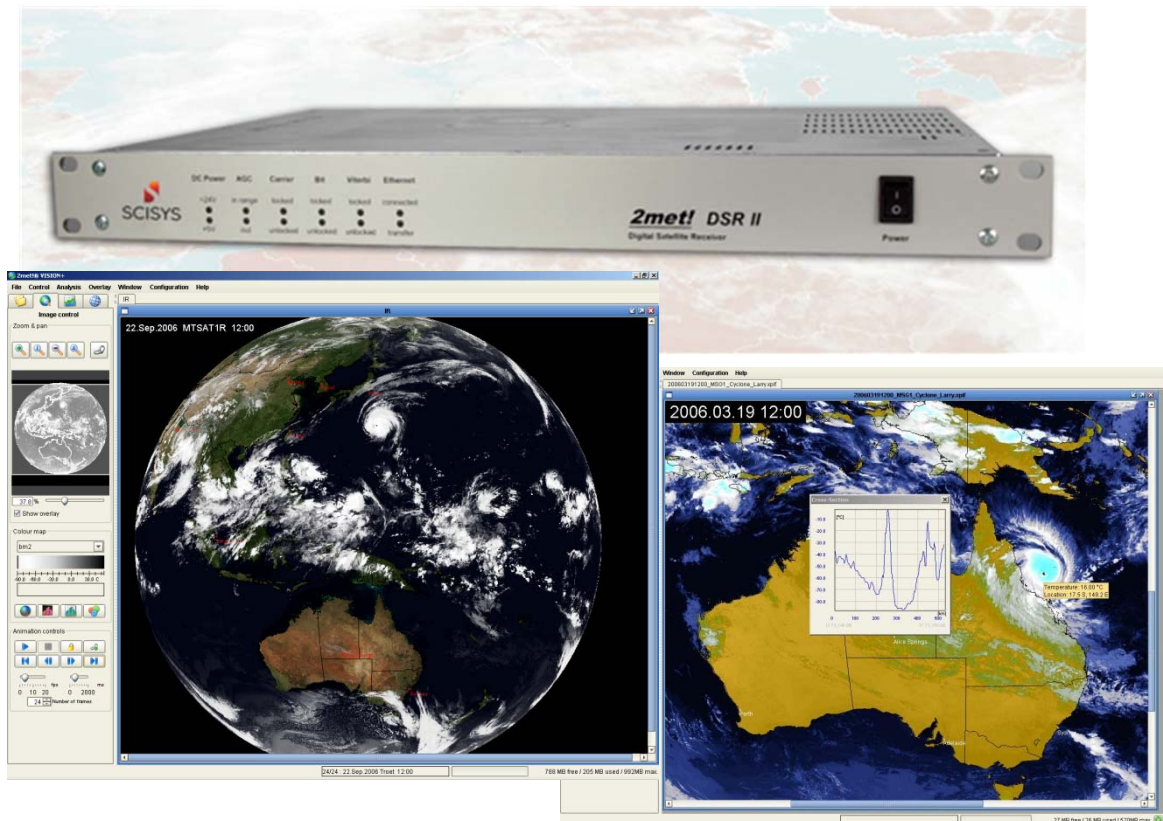


### 2met!® MTSAT XRIT Bundle MTSAT LRIT/HRIT User Station

Release 1.0



#### FUNCTIONS

- Reception of HRIT and 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

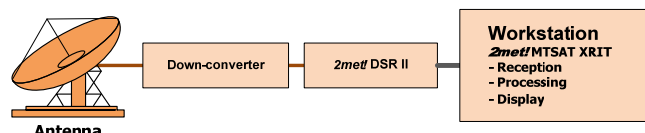
#### ADVANTAGES

- 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 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 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 reasonably priced including:

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

### Technical Characteristics

<b>Antenna</b>	(not included)
Reflector	1.0m (JMA Specification 1.2m)
<b>Receiver</b>	<b>2met!® DSR II</b>
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
<b>Workstation</b>	Standard Workstation or Server
<b>Operating System:</b>	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, downconverter and workstation.

#### Ordering Information

##### 2met!® MTSAT XRIT

This version provides all functions 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](mailto:2met@scisys.de)



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