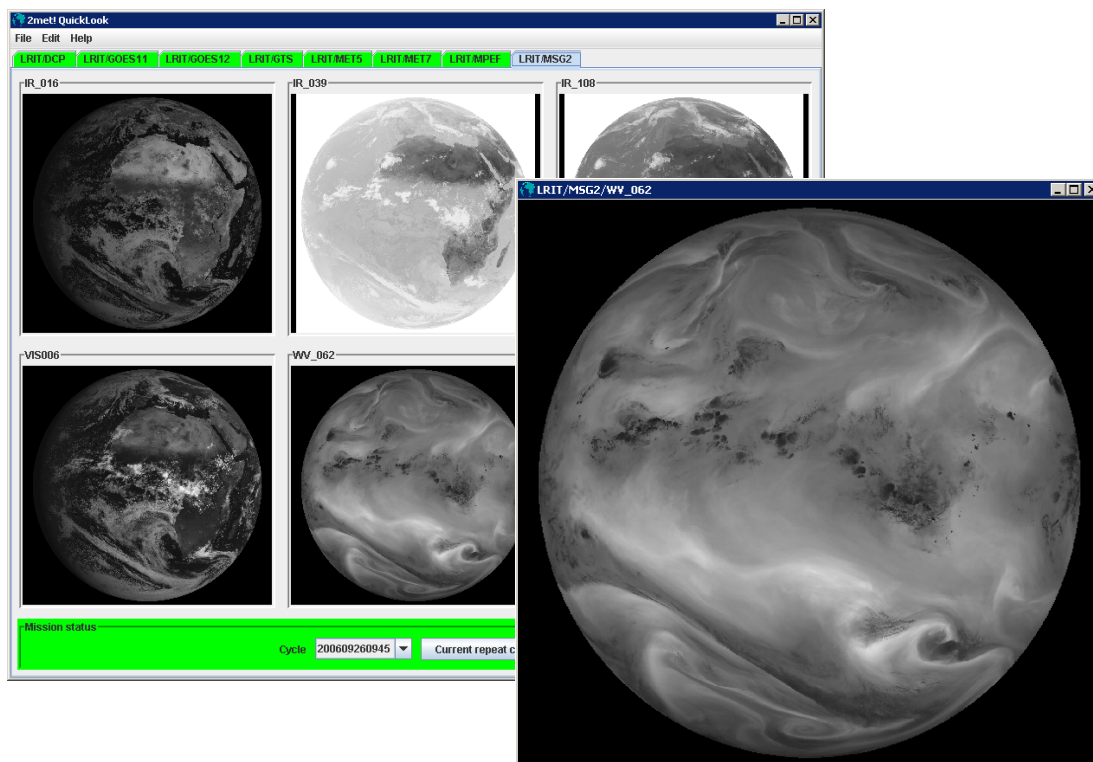


2met!® ACQUISITION XRIT MSG/MTSAT/GOES LRIT/HRIT Acquisition Software

Release 1.4

The 2met!® ACQUISITION XRIT software is supporting the simultaneous reception of both, the HRIT and LRIT channel for all geostationary missions from MSG, MTSAT and GOES satellites. Based on the "EUMETSAT Reference User Station", this application SW is necessary for L-band reception of MSG data being mainly responsible for the decompression of data.



FUNCTIONS

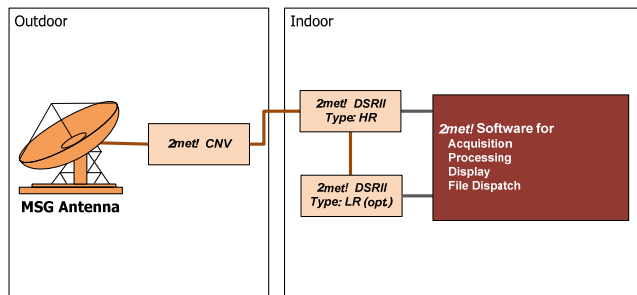
- Automatic data reception of all channels
- Automatic decryption
- Automatic decompression
- Monitoring of reception quality
- Supports LRIT and HRIT simultaneously
- Decompression of XRIT data for DVB

ADVANTAGES

- Running on Windows; Linux on request
- Low Training/Maintenance Effort
- Scalable Standard Hardware Platform
- Highest reliability at excellent price-performance

Simple System Layout

The **2met!® ACQUISITION XRIT** together with the **2met!® DSR II** simplifies the system layout for LRIT/HRIT data acquisition. This reduces the number of spare parts as well as the management overhead significantly.



Receiver

The L-band receiver **2met!® DSR II** is based on the MUBM of the EUMESAT Reference User Station for MSG. It has been designed to support all meteorological satellite missions. It is connected to the host via a Fast Ethernet Interface using a TCP/IP connection. This avoids the need for specific and expensive interface hardware. The connection via standard LAN equipment allows separating the reception equipment from the reception host. Using fibre optics the receiver is isolated from the reception host electrically.

Decryption and Decompression

The incoming HRIT and LRIT data are automatically decrypted and decompressed. The data provided by the **2met!® ACQUISITION XRIT** package are named according to the MSI specifications and will support any of the SAF packages as they are available on the market delivered with the software which allow to integrate your algorithm within the background processing as an integral part.

Quality Control

Both the LRIT and HRIT channel are continuously monitored. The results of the Reed Solomon and the Viterbi decoding processes are used to generate quality information about the link status, the bit error rate, corrected/uncorrected bit errors, frame errors, Bit errors in filler frames etc.

Quicklook

The Quicklook MMI supports for visual inspection of received image data. This MMI is only used for monitoring purposes- it displays not the received full size images, but a down sampled greyscale version of them. Errors which have been occurred during reception, decryption or decompression are marked with different colours.

Data Dispatch

The data generated by the **2met!® ACQUISITION XRIT** package can be distributed via network using the dispatch software delivered with it.

This allows supporting SAF-Hosts as well as a **2met!® PROCESSING** host on the network directly. For small systems the acquisition package may be operated on the same host as the **2met!® PROCESSING** and **2met!® VISION+** display software.

Ordering Information

2met!® ACQUISITION XRIT

This version provides all functions to receive data from all relevant LRIT/HRIT missions disseminated via the geostationary MSG, MTSAT and GOES satellites.

Contacts

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

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