



Configuration ID: Dartcom LRIT/GOES HRIT system

Version: 1.0

Created/Approved by:

Date: 18 May 2018

<p><u>A. Antenna Feed:</u> Mfg – Model – P/N – NOT APPLICABLE – IFD used.</p>	<p><u>F1. Satellite Receiver:</u> Mfg – Dartcom Systems Ltd Model – USB LRIT/GOES HRIT receiver P/N – USB-LRITRX-06/SYN</p>
<p><u>B. Antenna:</u> Mfg – Dartcom Systems Ltd Model – 1.2m Prime Focus P/N –</p>	<p><u>F2. Satellite Receiver Software:</u> Mfg – Dartcom Systems Ltd Name – XRIT Ingester, iDAP/MacroPro Release – Latest versions</p>
<p><u>C. LNA / LNB/IFD:</u> Mfg – Quorum Communications Inc Model – IFD-1691.0-137.5-FL P/N – 99R011204</p>	<p><u>G1. SDR Analog/Digital Converter:</u> Mfg – Model – P/N – NOT APPLICABLE</p>
<p><u>D. IFL Coax Cable:</u> Mfg – WEBRO Item No – RG213U Length – 50m</p>	<p><u>G2. Software Defined Radio:</u> Mfg – Name – Release – NOT APPLICABLE</p>
<p><u>E. In-Line Power Amp:</u> Mfg – Model – P/N – NOT REQUIRED</p>	<p><u>H. PC/Workstation</u> Mfg – HP Model – Z Series Workstation P/N – Currently Z-240 O/S Mfg – Microsoft O/S Name – Windows 7 or 10 O/S Release – Latest Release.</p>

Notes and References:

1. Company name, address, phone and Company web page URL:

Dartcom Systems Ltd, Powdermills, Postbridge, Yelverton, Devon.

Tel: +44 1822 880253

www.dartcom.co.uk

2. HRIT/EMWIN POCs: names, email addresses and telephone numbers

David Wright, dave@dartcom.co.uk, +44 1822 880253

3. URLs for the HRIT/EMWIN equipment/system description, technical specifications,

<https://www.dartcom.co.uk/products/lrit-hrit-system/overview>

<https://www.dartcom.co.uk/products/lrit-hrit-system/l-band-antennas>

<https://www.dartcom.co.uk/products/lrit-hrit-system/l-band-receivers>

<https://www.dartcom.co.uk/products/xrit-ingester-software>

<https://www.dartcom.co.uk/products/idap-macropro-software>

and cost and ordering information.

Please contact dave@dartcom.co.uk for prices, options and configuration.

4. Company statement on achieving each of the following system capabilities:

a. Number of HRIT/EMWIN VCIDs (sub-channels) which can be processed concurrently

Unlimited due to layered, multi-threaded processing software.

b. Converts products from .lrit to native file format

Yes, plus output of LRIT/HRIT images and EMWIN charts to Dartcom iDAP/MacroPro software, and optional output of LRIT/HRIT images to PCI Geomatica, ERDAS IMAGINE, ENVI/IDL and GeoTIFF.

c. Ability to filter data to retain specific products of interest to user.

Yes, at multiple levels.

d. User configurable folder/directory locations for storing products of interest on user's system

Yes, with archiving in folders by product type, date and time.

e. Visualization, mapping and hydro-meteorological applications for operations.

Standard LRIT/HRIT System software provided to display and process LRIT/HRIT images and EMWIN charts. Output of EMWIN data files provided for interfacing to Weather Message software (not supplied – available from <http://www.weathermessage.com>). Optional output of LRIT/HRIT image products to PCI Geomatica, ERDAS IMAGINE, ENVI/IDL and GeoTIFF for further specialist processing.

5. Additional system-related information (e.g., interchangeability of components, installation, warranty, software/firmware updates, etc.)

System is designed for installation by a local technician. Comprehensive installation and setup guide provided. Warranty 12 months return-to-base, 2 years technical support and software updates.

USB LRIT/GOES HRIT receiver and software available separately for customers who already have a suitable antenna, feed and LNB or who wish to purchase the antenna, feed and LNB in their country from a local source.