

Equipment needed to receive HRIT and LRIT imagery from Himawari-8/9 via a commercial telecommunication satellite

Needed equipment



C-band antenna



LNB



DVB-S2 receiver



PC & software

	Required/recommended specifications	Estimated cost (US\$)
C-band antenna	Dish type with a diameter of 1.2 – 2.4 m	1,500 – 9,000
Low-noise block (LNB)	Standard-performance type	600 or less
DVB-S2* receiver	Standard-performance type such as Novra S300, Comtech EF DATA CMR-5975 or Advantech S4020	1,500 – 3,000
Software for DVB acquisition and processing	KenCast Fazzt standard software	900 or less

Notes

- HRIT imagery can be displayed on a PC using a set of software modules for data processing and visualization.
- Construction of dish antenna foundations and wiring work for antenna-PC connection are required for installation of the above equipment.
- The diameter of a dish antenna depends on its geographical location and the footprint of the commercial telecommunication satellite to be used by JMA.
- Detailed technical information on receiving Himawari-8/9 data will be released by summer 2013.
- See the following web page for information on the termination of MTSAT imagery dissemination:
http://www.jma.go.jp/jma/jma-eng/satellite/news/2012_transition.html

* DVB-S2: Digital Video Broadcasting – Satellite – Second Generation (a digital video broadcast standard)