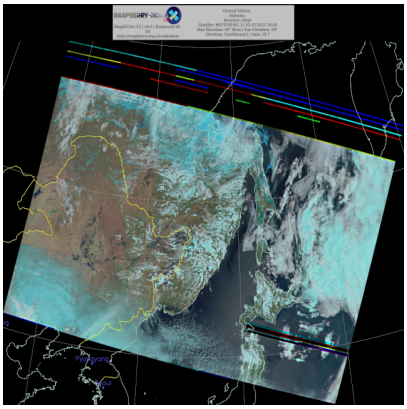

# Raspberry Pi NOAA v2ã•«ã??ã??æ°?è±¡è¡?æ??é?»æ³¢ã•®å•?ä¿¡ã•¾ã•¨ã?•

## Description

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## ã??ã?ã?¸ã?§ã?¯ã??ã®æ¦?è¦•

Quadrifilar Helixã?¢ã?³ã??ã??ã??çµ?ã•¿ç«?ã•¦ã?•Raspberry Pi NOAA v2ã•?ã•?ã?½ã??ã??ã?¦ã?§ã?¢ã??å?©ç?¨ã•?ã•¦SDRï¼?Software Defined Radioï¼?å•?ä¿¡æ©?ã•§æ°?è±¡è¡?æ??ã•?æ¸¬å®?ã•?ã•?ã??ã?¼ã?¿ã??å•?ä¿¡ã•?ã•¦ç?»å?•ã??å¾?ã•¾ã•?ã??ã•?ã•®ã?½ã??ã??ã?¦ã?§ã?¢ã•¯æ°?è±¡è¡?æ??ã®é?»æ³¢ã??å•?ä¿¡ã•?ã•¦ã??ã?³ã?¼ã??ã•?ã•¦ç?»å?•ã??ç??æ?•ã•?ã•¦ã••ã??ã?•ç?»é?²ã•?ã??ã•¦ã•?ã??æ°?è±¡è¡?æ??ã•?è¦³æ¸¬å?°ã•®ä¸?ç©ºã??é??é•?ã•?ã??ã?¿ã?¤ã??ã?³ã?°ã•§è?ªå??ç??ã••é?»æ³¢ã•®å•?ä¿¡ã•¨ç?»å?•ã•¸ã•®ã??ã?³ã?¼ã??ã??ã•?ã•¾ã•?ã??è¨å®?ã••ã??ã??ã?¡ã?¼ã?«ã??Discordã••ã??ã?³ã?¼ã??ã•?ã•?ç?»å?•ã??é?•ä¿¡ã•§ã••ã•¾ã•?ã??ã?¢ã??ã•¥ã••ã??å¡¾ã•§ã•¯Discordã®Webã??ã??ã?¯ã??ä½¿ç?¨ã?ã•¦ã?•ç?»å?•ã??ã?³ã??ã?¥ã??ã??ã?£ã?¼ã•§å ±æ??ã•?ã•¦ã•?ã•¾ã•?ã??

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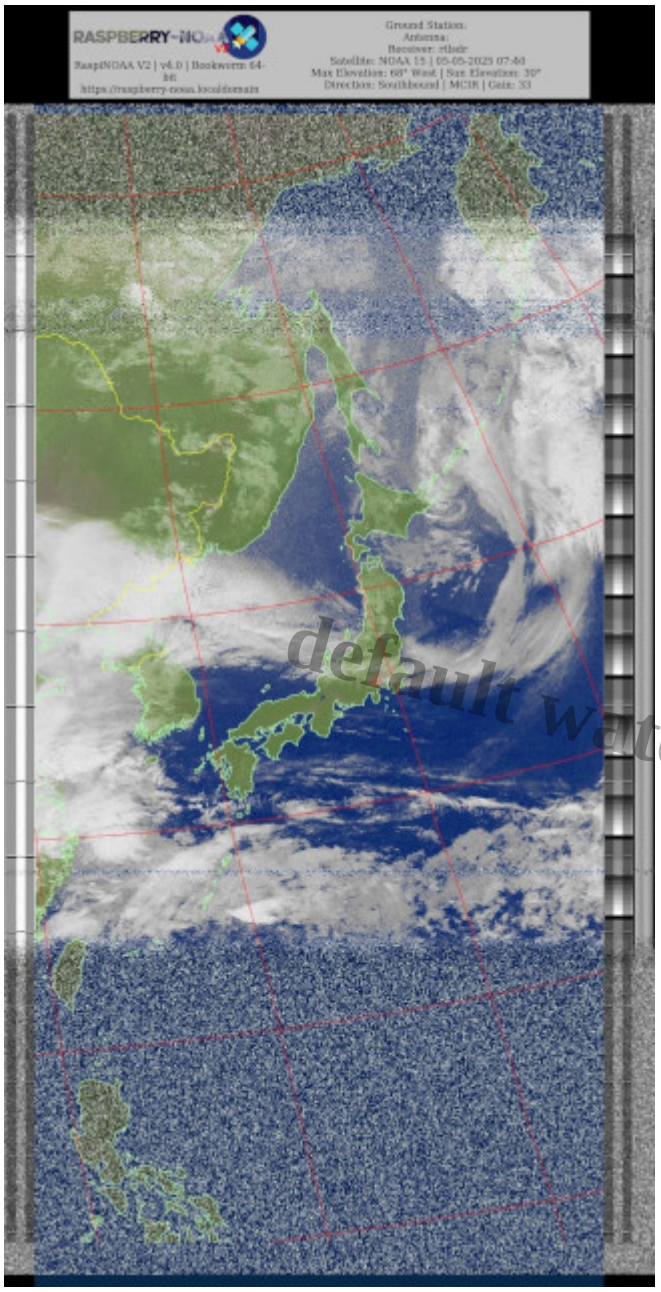
### NOAA-15

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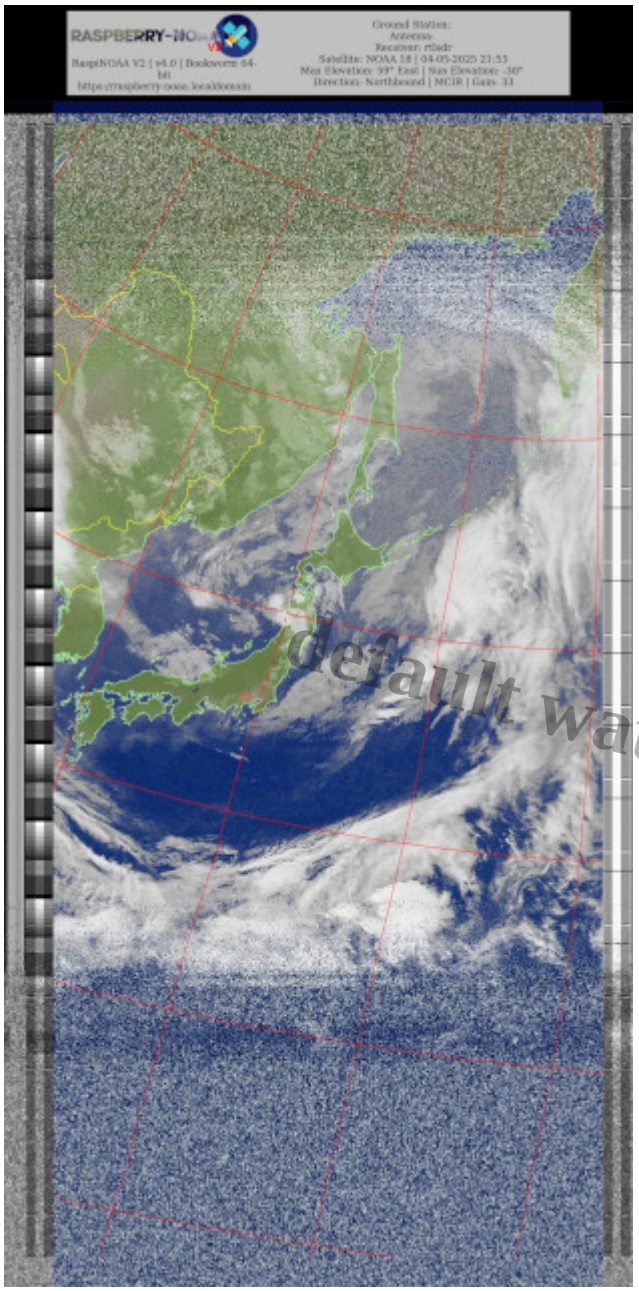
**NOAA-18**

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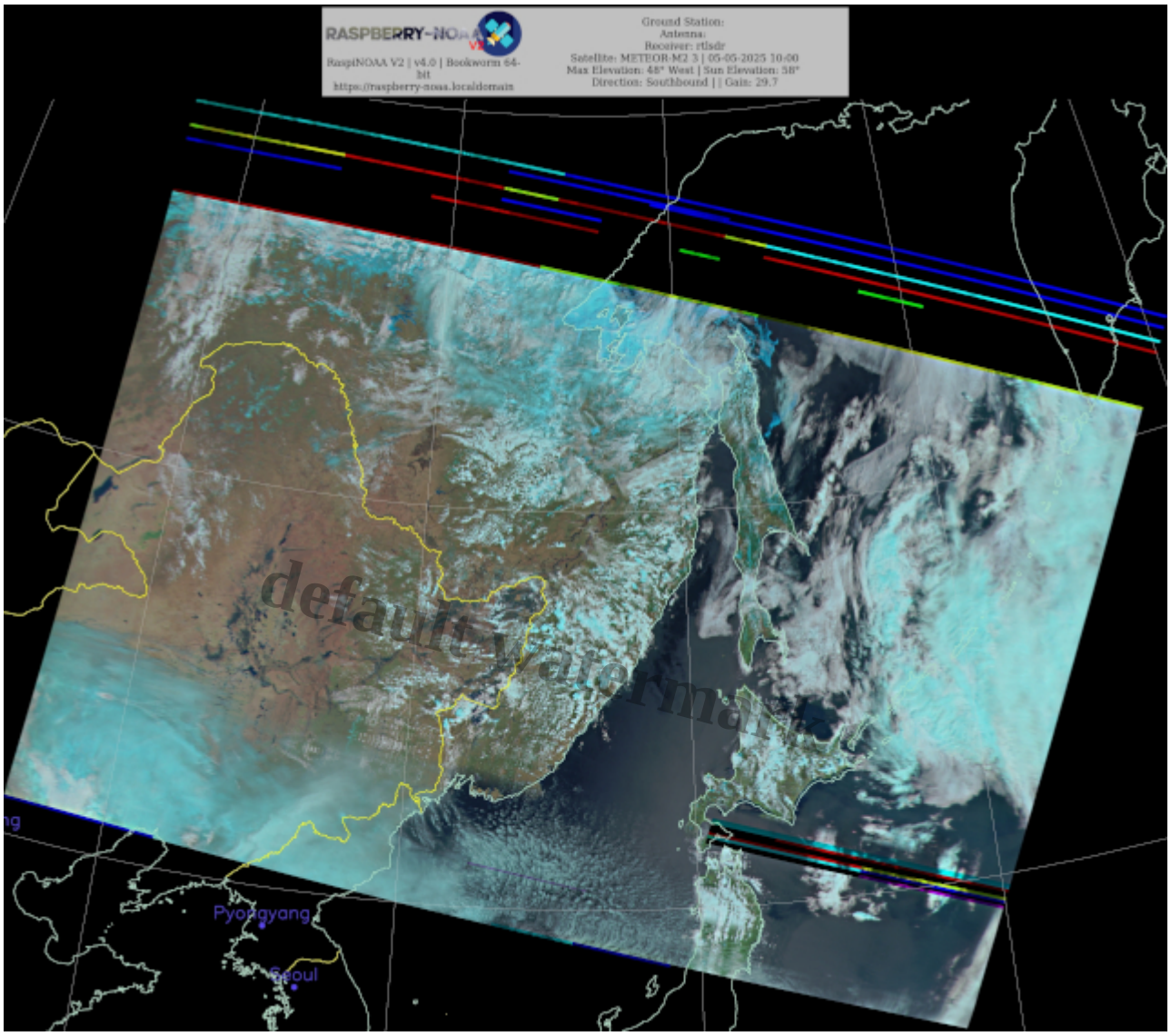
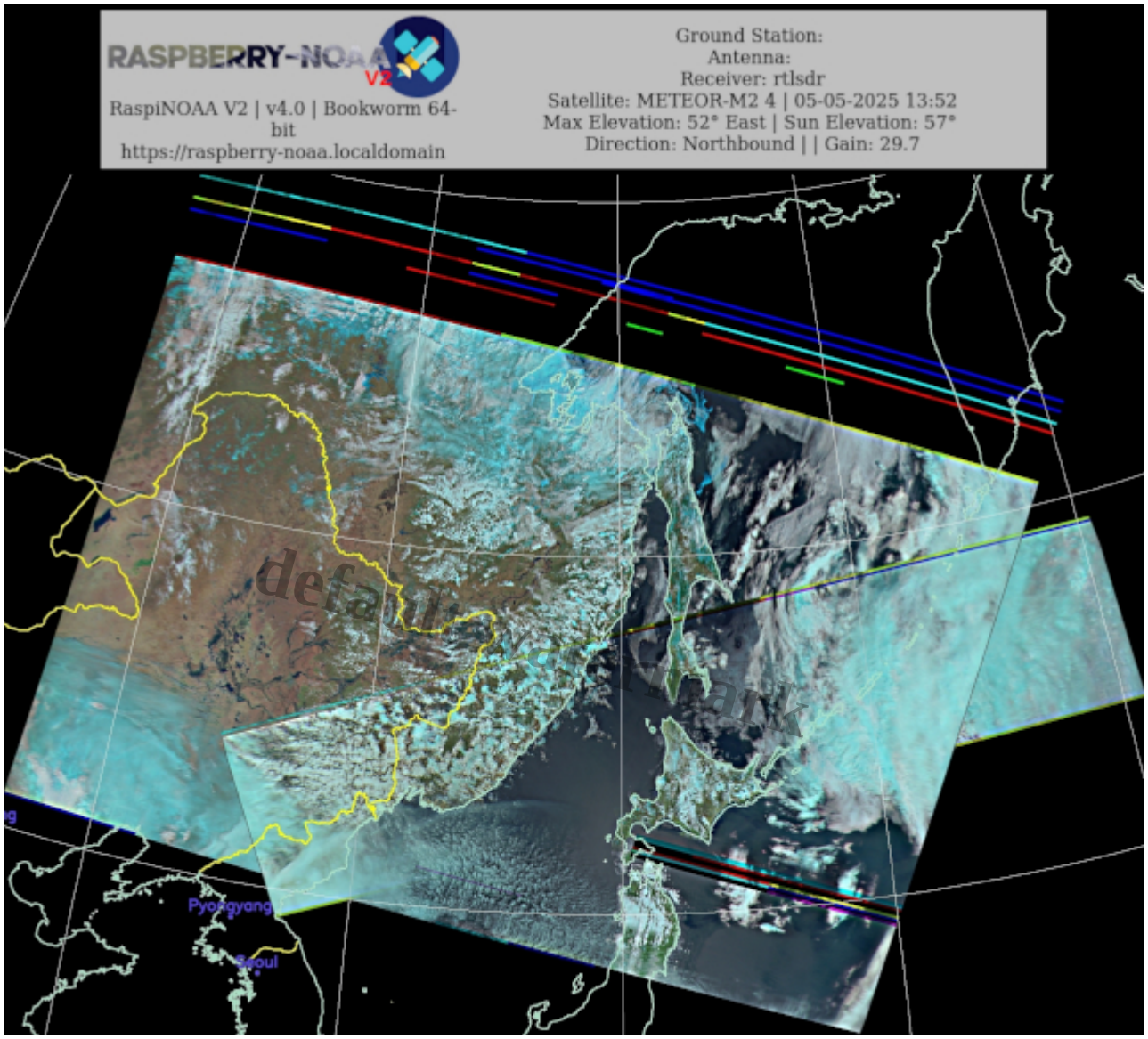
**Meteor-M2-3**


RASPBERRY-NOAA
RaspiNOAA V2 | v4.0 | Bookworm 64-bit
https://raspberry-noaa.localdomain
Ground Station:
Antenna:
Receiver: rtlsdr
Satellite: METEOR-M2 3 | 05-05-2025 10:00
Max Elevation: 48° West | Sun Elevation: 58°
Direction: Southbound | | Gain: 29.7
Pyongyang
Seoul

**Meteor-M2-4**

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## ä½¿ç?¨ã•?ã•?é?¨å?•ã??æ••æ??

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|---|---|
| Raspberry Pi 4 Model B 8GB | 10,000å?? |
| GeeekPi Raspberry Pi 4ã?±ã?¼ã?¹Raspberry Pi 4 5V 3.6A USB-Cé?»æº• PSEå•?å¾? ã?¢ã??ã??ã?¿ã?¼+ 40x40x10mm PWMå?·å•´ã??ã?¡ã?³+ 4å??ã•®ã??ã?¼ã??ã?·ã?³ã?¯ | 1,800å?? |
| KIOXIA(ã?ã?ªã?¯ã?·ã?¢) microSD 64GB UHS-I Class10 (æ??å¤§è¹-å?ºé??åº¦100MB/s) 64G | 800å?? |

| å?•å•• | ã•?ã•?ã??ã••ã•®è³¼å¥é??é¡• |
|---|---|
| RTL-SDR Blog V3 R820T2 RTL2832U 1PPM TCXO HF ã?•ã?¤ã?¢ã?¹ã??ã?£ã?¼ SMAã?½ã??ã??ã?¦ã?§ã?¢å®?ç¾©ç?¡ç·? ã??ã?¤ã?•ã?¼ã?«ã?¢ã?³ã??ã??ã?ã??ã??ä»?ã•• | 7,200å?? |
| USBå»¶é?·ã?±ã?¼ã??ã?« ã?¢ã?¯ã??ã?£ã??ã?ªã??ã?¼ã?¿ã?¼ã?±ã?¼ã??ã?« ä¿¡å•·å¼·å?? ã?¿ã?¤ã? ã?©ã?°ã•ªã•? å•?ã??å??ã•?è?¯ã? ã?¿ã?¤ã??Aã?ªã?¹-ã?¿ã?¤ã??Aã?¡ã?¹ | 1,900å?? |
| è£¸ã??ã??ã?·é? ç®¡ 8X0.8X5m | 4,000å?? |
| 8 mm(å? å¾?) 90åº¦é? ç®¡ç¶?æ?? 10å?? æ°´é•?ç®¡ã?·ã?¹ã??ã? ç?¨ é? ã?¨ã?«ã??ã?¢ã??ã??ã?¿ã?¼ | 1,400å?? |
| RFå•?è»¸ã?³ã?•ã?¯ã?¿ BNCã?¡ã?¹-SMAã?ªã?¹ é?²æ°´ã?´ã? ã?ªã?³ã?°ä»?ã•• ã?•ã?«ã?¯ã??ã??ã?? RG174 ã?¢ã??ã??ã?¿å»¶é?·ã?±ã?¼ã??ã?« 30cm | 1,000å?? |
| RG58 BNC ã?¸ã?£ã?³ã??ã?¼ã?±ã?¼ã??ã?«ã?•BNC ã?ªã?¹ â?? BNC ã?¡ã?¹ã?¢ã?³ã??ã??å»¶é?·ã?±ã?¼ã??ã?«ã?•ä½?æ••å¤± 50 ã?ªã?¼ã? BNC CB ã?©ã?¸ã?ªå•?è»¸ã?±ã?¼ã??ã?« 32.8 ã??ã?£ã?¼ã?? (10 ã?¡ã?¼ã??ã?«) | 2,000å?? |
| 50Î©BNCã?³ã?•ã?¯ã?¿â??ã¿ã•®è?«ï½¸ï¾?ï½¯ï¾?ï¾?è¡¤ï½¥é»?(å°)2M 1.5D-2 | 1,500å?? |
| UVã??ã?¤ã?? 38mã??ï¼?ã?¢ã?³ã??ã??ã•®ã??ã?¹ã??ç?¨ï¼? | 1,000å?? |
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UVã??ã?¤ã??ã•¨å°•ã?•ã?¸é¡?ä»¥å¤?ã•¯Amazonã§è³¼å ¥ã•?ã•¾ã•?ã•?ã??

## ã?·ã?¹ã??ã? ã•®æ§?ç¯?æ?¹æ³?

ã•?ã•®ã??ã?¼ã?¸ï¼?Build your own weather satellite receiving stationï¼?ã•®å? å®¹ã••å¾?ã•£ã•¦ä½?æ¥ã•?ã•¾ã•?ã•?ã??ä¸?é?¨ã?•ã••ã•®ã•¾ã•¾ã•§ã•¯å??ã?ã•ªã•?ã•¨ã•?ã•?é?¨å??ã•?ã•?ã??ã•¾ã•?ã•?ã•?ã?•é•©å®?ã?•è?ªå??ã•®ç?°å¢?ã••å•?ã?•ã•?ã•¦ä½?æ¥ã•?ã??å¿ è¦•ã•?ã•?ã??ã•¾ã•?ã??ç§•ã•®å ´å•?ã•¯ã?Raspberry Piä¸?ã•§ã??ã?ã?¸ã?§ã?¯ã??ã??GitHubã?ã??ã?¯ã?ã?¼ã?³ã?ã??ã•?ã•¨ã•?ã•§ã••ã•ªã••ã•¦ã?•ä»?ã•®PCã••ã?¯ã?ã?¼ã?³ã?ã•¦ã•?ã??scpã?³ã??ã?³ã??ã??ä½¿ã•£ã•¦Raspberry Piã••ã?³ã??ã?¼ã•?ã•¾ã•?ã•?ã??Quadrifilar Helixã?¢ã?³ã??ã??ã??ä¸?è¨?ã??ã?¼ã?¸ã•§è¹¬æ??ã•?ã??ã••¦ã•?ã??é??ã??ã••ä¸•å¯§ã••ä½?ã??ã•®ã•?é?•è¦•ã•ªã?•ã?¤ã?³ã??ã•§ã•?ã??

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- Raspberry Pi NOAAã•«æ°?è±¡è¡?æ??ã??è¿½å? ã•?ã??ã•?ã•¨ã??æ¤?è¨?ã•?ã??
- ã?½ã??ã??ã?¦ã?§ã?¢ã•®ã?½ã?¼ã?¹ã?³ã?¼ã??ã??èªã??ã•§å?¦ç•?å? å®¹ã??ç•?è§£ã•?ã??
- SDRã•®å?©ç?¨ã•®æ?¡å¤§

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## ã•?ã?•ã??ã•«

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SDRã??ä½¿ã•£ã•¦PCã•®ä¸?ã•§ã?©ã?¸ã?ªæ?¾é?•ã•?è•´ã•?ã•?ã•¨ã••ã?•ã?½ã??ã??ã?¦ã?§ã?¢ã• ®ã?¤ã?³ã?¹ã??ã?¼ã?«ã•?ä¸?æ??ã••ã•§ã••ã•?ã•¨ã••ã?•ã?¢ã?³ã??ã??ã•?çµ?ã•¿ä¸?ã•?ã•£ã•?ã•¨ã••ã?• è¡?æ??ã•®é?»æ³¢ã??å•?ä¿¡ã•?ã•¦ç?»å?•ã•?è¡¨ç¤ºã•?ã??ã•?ã•¨ã••ã•ªã•©ã?•å?•ã?•ã•¦ã•®ä½?é¨?ã•«ã• ¯æ??å??ã?ã•?ã??ã•¾ã•?ã??

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### Category

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2. ç?¬ã??è¨?

### Tags

1. 3Dã??ã?ªã?³ã?¿ã?¼
2. QHA
3. Quadrifilar Helix Antenna
4. Raspberry NOAA

5. Raspberry Pi
6. SDR
7. ä¸?é??å??å¸?
8. å±±æ¢¨ç??
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**Date Created**
2025å¹´5æ??5æ?¥
**Author**
kazuo-tsubaki

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