

GPS Repeaters For Aircraft Hangars GIH4



• Full GNSS Band:

GPS/GLONASS/Beidou/Galileo/IRNSS/QZSS/SBAS/NAVIC/OmniStar;

- Frequency Range of Antanna: 1556~1623MHz/1164~1288MHz
- Frequency Range of Amplifier: 1150MHz~1650MHz
- Operating Temperature: -55°~85°;
- Gain Control: 0~30dB Adjustable, 1dB Step;
- ●4-Ways Re-radiate Antenna ports

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Description

The structure of an aircraft hangar can block the ingress of GNSS signals, making it impossible to test on-board navigation equipment without pushing the aircraft outside where it has a view of the sky. GIH4 is GNSS Inside Hangar repeater. GIH4 repeater system overcomes this physical barrier by transferring the outdoor signals to the interior of the hangar, which means all maintenance work can be carried out indoors. The GIH4 supports four antennas, each antenna can cover a radius of 25 meters, so a GIH4 system can do GNSS coverage for four areas at the same time. The GIH4 solution supports Global Navigation Satellite Systems (GNSS) including Beidou, GPS, Glonass & Galileo.

High efficiency directional indoor re-transmitting antenna suitable for:

- Aircraft hangars
- Border surveillance
- Military bunkers

System parameters

- Suports systems:
 GPS/GLONASS/Beidou/Galileo/IRNSS/QZSS/SBAS/NAVIC/OmniStar;
- Frequency Range of Antanna: 1556~1623MHz/1164~1288MHz
- Frequency Range of Amplifier: 1150MHz~1650MHz
- Operating Temperature: -55°~85°;
- Gain Control: 0~30dB Adjustable, 1dB Step;
- 4-Ways Re-radiate Antenna ports;
- Each antenna covers a diameter of about 50 meters.



Standard Configuration

Program-controlled adjustable amplifier: GA30-PV4, 1 Set;

GNSS 3D choke antenna: 3D185, 1 Set;

Cable assembly: RG8, 30~200M, 1 pcs;

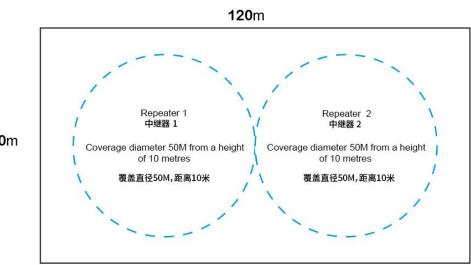
Cable assembly: XHY240, 20~30M, 4pcs;

Transmitting antennas: GRA10, 4 pcs;

Lightning arrester: 1pcs;

Cable assembly can be selected according to customer environment. You can communicate with our technical staff for more you need.

System Connection



60m

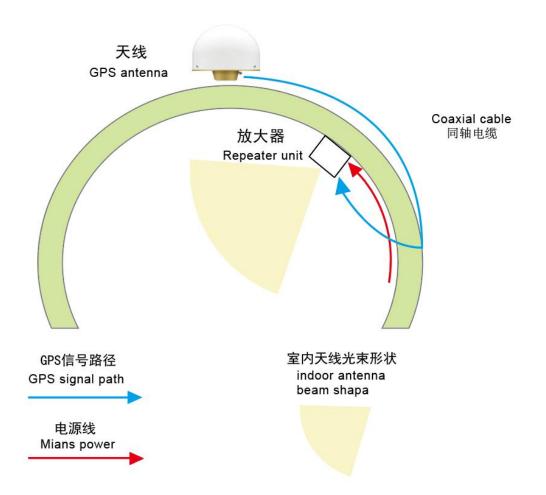
Each blue circle shows the coverage area from a repeaterunit mounted on a roof beam 10M high

> 每个蓝色圆圈表示安装在10M高屋顶梁上 的中继器的覆盖区域

As long as aircraft receiving antennas have line-of-sight with the repeater they will all receive a GPS signal

只要飞机接收天线与中继器有视线, 它们都将接收GPS信号的中继器的覆盖区域





Implementation

