

FLAT SATELLITE ANTENNA

**SELSAT**™

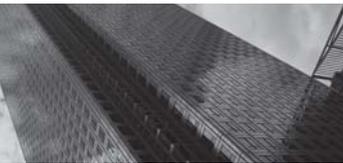
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**SELSAT PRODUCT LINE**

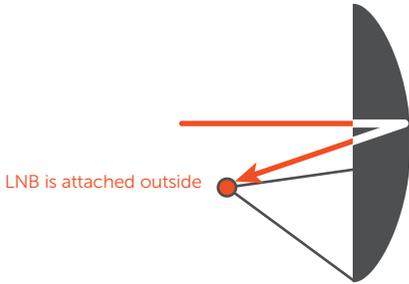
ver 3.0

[www.selfsat.com](http://www.selfsat.com)

- Jan 2015** Develop SAT>IP application product
- Dec 2014** SNIPE DOME series Launched
- Feb 2014** CAMP series Launched
- Dec 2013** Completed the development of high-H50D series
- Nov 2013** SNIPE PRO / SNIPE PRO MAX Launched
- Sep 2013** GOOD DESIGN Selection and Awarding of iDUO Voyager HD
- Oct 2012** Launched Smart mirroring cable & monitor iDUO series
- Sep 2012** Awarding KES Innovation with SNIPE
- Jun 2012** Launched camping satellite antenna SNIPE
- Mar 2012** Awarding the best trader of the month by KITA
- Mar 2011** Launched ISDB-T digital home tuner for Japan market
- Jun 2010** Patent registration for mobile antenna fixing equipment (Ref, Nr: 10-0962396)
- Oct 2010** Europe patent registration for horn array antenna with linear polarization (Ref, Nr: EP 1930982)
- Nov 2009** Launched a new flat antenna model, H30D
- Dec 2008** Awarding an export tower prize from Korean government
- May 2008** Supplied H21D to Canal plus
- Jan 2008** Patent registration for horn array antenna with dual linear polarization
- Jan 2008** Received approval from ASTRA
- Jun 2007** Antenna bracket & 7 items design registration
- Nov 2006** Developed first flat satellite antenna, H10D



- Patent** Ref no. 10-0801030 Patent registration of horn array antenna with dual linear polarization
- Patent** Ref no. 10-0865956 Patent registration of horn array antenna with dual linear polarization
- Patent** Ref no. 10-0864900 Patent registration of remote controller for TV corresponds with cellular communication network
- Patent** Ref no. 10-0888936 Patent registration of horn array antenna with dual linear polarization
- Patent** Ref no. 10-0905479 Patent registration of the method to optimize the reception angle of antenna with attenuation pad
- Patent** Ref no. 10-0905914 Patent registration of horn array antenna with dual linear polarization
- Patent** Ref no. 10-0918954 Patent registration of horn array antenna with dual linear polarization
- Patent** Ref no. 10-0918957 Patent registration of horn array antenna with dual linear polarization
- Patent** Ref no. 10-0918956 Patent registration of horn array antenna with dual linear polarization
- Patent** Ref no. 10-0929165 Patent registration of horn array antenna with dual linear polarization
- Patent** Ref no. 10-0949717 Patent registration of mobile AV device
- Patent** Ref no. 10-0962396 Patent registration of fixing equipment for mobile antenna
- Patent** Ref no. 10-1058814 Patent registration of mobile storage device for transmittable & receivable multimedia data
- Europe Patent** EP 1930982 Horn array antenna for linear polarization
- Utility Model** Ref no. 20-0442840 Utility model registration of supporting bracket for satellite antenna
- Utility Model** Ref no. 20-0458333 Utility model registration of mobile horn array antenna
- Utility Model** Ref no. 20-0469774 Utility model registration of mobile horn array antenna



**Parabolic Dish Antenna**

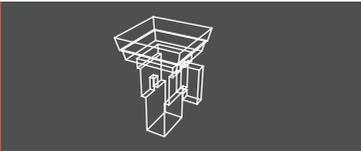
- Gather signal by reflection
- Loss in diffused reflection
- Low efficiency (60~75%)



**Wave Guide Horn Antenna**

- Collect signal by through-in
- No diffused reflection
- High efficiency (95%)

Wave Guide Horn Array Technology



**INPUT**

Dual Linear (Vertical & Horizontal) Polarization

**LAYER #1**

Receive satellite signal through horn of layer #1 without signal loss / Divide into H & V polarization

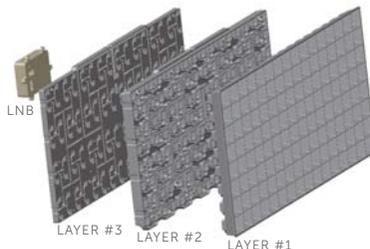
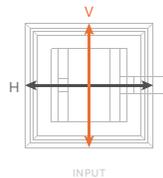
**LAYER #2**

Collect H polarization, and send the collected H polarization to LNB

**LAYER #3**

Collect V polarization, and send the collected V polarization to LNB

**LNB**



## Flat Satellite HOME Antenna



### H05H

- Frequency : 11.7 ~ 12.75 GHz
- Gain : 33.7 dBi @ 12.7 GHz
- Size : 517 x 277 x 44mm
- Weight : 2.7kg



### H21D / H21D2 / H21D4

- Frequency : 10.7 ~ 12.75 GHz
- Gain : 34.5dBi @ 12.7 GHz
- Size : 566 x 300 x 67mm
- Weight : 6.3kg



### H30D / H30D2 / H30D4

- Frequency : 10.7 ~ 12.75 GHz
- Gain : 33.7 dBi @ 12.7 GHz
- Size : 517 x 277 x 58mm
- Weight : 4.5kg



### H33D / H33D2 / H33D4

- Frequency : 10.7 ~ 12.75 GHz
- Gain : 33.7 dBi @ 12.7 GHz
- Size : 514 x 274 x 69mm
- Weight : 5.1kg



### H34D / H34D2 / H34D4

- Frequency : 10.7 ~ 12.75 GHz
- Gain : 34.5 dBi @ 12.7 GHz
- Size : 514 x 274 x 69mm
- Weight : 4.5kg



### H35D / H35D2 / H35D4

- Frequency : 10.7 ~ 12.75 GHz
- Gain : 33.7 dBi @ 12.7 GHz
- Size : 558 x 328 x 58mm
- Weight : 4.7kg



### H36D / H36D2 / H36D4

- Frequency : 10.7 ~ 12.75 GHz
- Gain : 33.7dBi @ 12.7GHz
- Size : 512 x 272 x 69mm
- Weight : 5.1kg



### H38D / H38D2 / H38D4

- Frequency : 10.7 ~ 12.75 GHz
- Gain : 33.7 dBi @ 12.7 GHz
- Size : 515 x 275 x 60mm
- Weight : 5.0kg



### H50D / H50D2 / H50D4

- Frequency : 10.7 ~ 12.75 GHz
- Gain : 36.1 dBi @ 12.7 GHz
- Size : 517 x 514 x 58mm
- Weight : 8.5kg



### H53D / H53D2 / H53D4

- Frequency : 10.7 ~ 12.75 GHz
- Gain : 36.1 dBi @ 12.7 GHz
- Size : 532 x 588 x 70mm
- Weight : 9.0kg



### H58D / H58D2 / H58D4

- Frequency : 10.7 ~ 12.75 GHz
- Gain : 36.1 dBi @ 12.7 GHz
- Size : 517 x 517 x 70mm
- Weight : 9.6kg

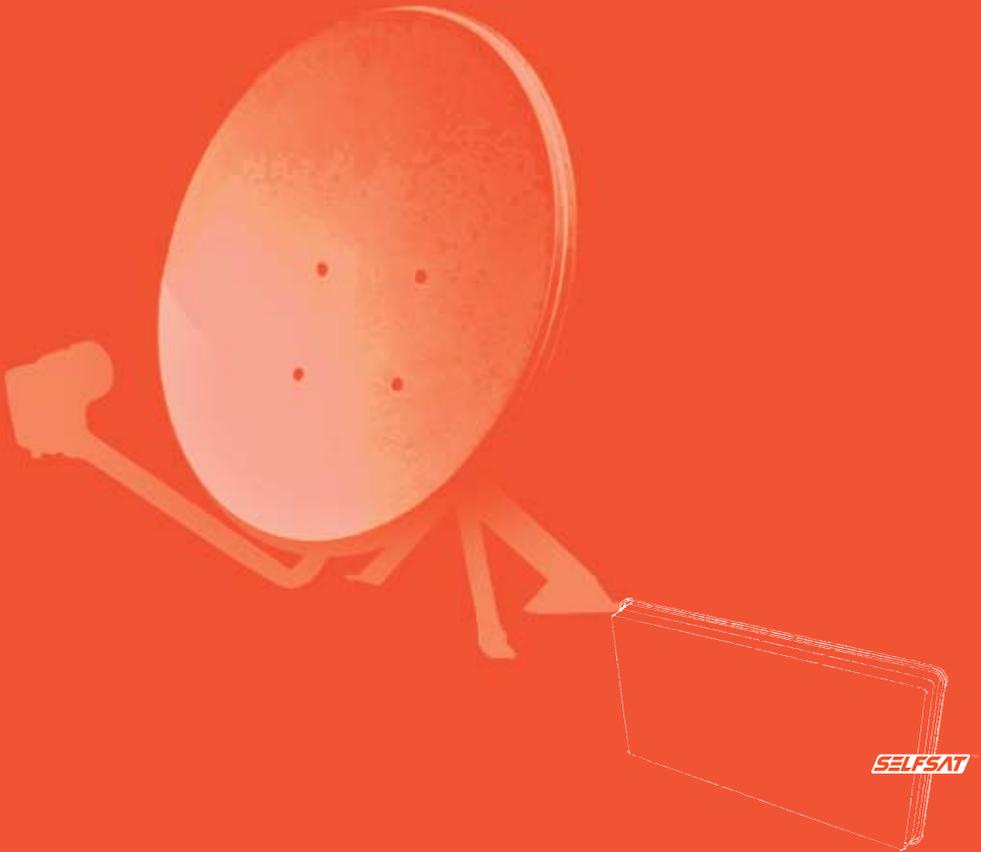


### H50MN / H50MS / H50MU

- Frequency : 10.7 ~ 12.75 GHz
- Gain : 33.7dBi @ 12.7GHz
- Size : 527 x 520 x 112mm
- Weight : 8.5 kg

# The world's best Flat Satellite **HOME** Antenna

You like so much your beautiful Flat LED TV !  
Today SELFSAT offers you the only real flat antenna for your lovely house !!!





- Single polarization flat antenna



Input Satellite Frequency	11.7~12.75GHz
Polarization	LHCP / Horizontal
Antenna Gain	33.7 dBi @ 12.7 GHz
Size (W x D x H)	517 X 277 X 44mm
Weight	2.7kg
Current Consumption	150mA (max)
Operating Temperature	-30°C to +60°C
Storage Temperature	-40°C to +80°C
LNB Output	1 output
LNB Output Frequency	950~2,000MHz
L.O. Frequency	10.75GHz
Conversion Gain	58 ~ 60 dB
Gain Flatness	5dB p-p (max)



## H21D series

Larger and Higher gain

- Powerful performance
- Modern design
- Interchangeable LNB
- All types of various brackets included



Input Satellite Frequency	10.7~12.75GHz
Polarization	Vertical & Horizontal
Antenna Gain	34.5dBi @ 12.7GHz
Size(WxDxH)	566x300x67mm
Weight	6.3kg
Current Consumption	150mA (max)
Operating Temperature	-30°C to +60°C
Storage Temperature	-40°C to +80°C
LNB Output	LNB Interchangeable (Single/Twin/Quad)
Changeover Low / High	0KHz / 22KHz
LNB Output Frequency	950~1,950MHz / 1,100~2,150MHz
L.O. Frequency	9.75GHz / 10.6GHz
Conversion Gain	60 dB Typical
Gain Flatness	6dB p-p (max)
Power Supply	12~14V DC (Vertical) / 16~19V DC (Horizontal)



- The world's slimmest & smallest dual polarization antenna
- Small size & extremely slim but high performance
- Support Ku-band channels reception of major satellites
- Surprisingly lighter than conventional dish



Input Satellite Frequency	10.7~12.75GHz
Polarization	Vertical & Horizontal
Antenna Gain	33.7 dBi @ 12.7 GHz
Size(WxDxH)	517x277x58mm
Weight	4.5kg
Current Consumption	150mA (max)
Operating Temperature	-30 °C to +60 °C
Storage Temperature	-40 °C to +80 °C
LNB Output	1/2/4 output
Changeover Low / High	0KHz / 22KHz
LNB Output Frequency	950~1,950MHz / 1,100~2,150MHz
L.O. Frequency	9.75GHz / 10.6GHz
Conversion Gain	60 dB Typical
Gain Flatness	6dB p-p (max)
Power Supply	12~14V DC (Vertical) / 16~19V DC (Horizontal)



# H33D series

A new SELFSAT with solid aerodynamic concept

- A new SELFSAT with solid aerodynamic concept



Input Satellite Frequency	10.7~12.75GHz
Polarization	Vertical & Horizontal
Antenna Gain	33.7 dBi @ 12.7 GHz
Size(WxDxH)	527 x 330 x 69mm
Weight	5.8kg
Current Consumption	150mA (max)
Operating Temperature	-30°C to +60°C
Storage Temperature	-40°C to +80°C
LNB Output	1/2/4 output
Changeover Low / High	0KHz / 22KHz
LNB Output Frequency	950~1,950MHz / 1,100~2,150MHz
L.O. Frequency	9.75GHz / 10.6GHz
Conversion Gain	60 dB Typical
Gain Flatness	6dB p-p (max)
Power Supply	12~14V DC (Vertical) / 16~19V DC (Horizontal)



- Modern and refined design
  - For beautiful appearance of houses or apartments



Input Satellite Frequency	10.7~12.75GHz
Polarization	Vertical & Horizontal
Antenna Gain	33.7 dBi @ 12.7 GHz
Size(WxDxH)	514 x 274 x 69mm
Weight	5.1kg
Current Consumption	150mA (max)
Operating Temperature	-30°C to +60°C
Storage Temperature	-40°C to +80°C
LNB Output	1/2/4 output
Changeover Low / High	0KHz / 22KHz
LNB Output Frequency	950~1,950MHz / 1,100~2,150MHz
L.O. Frequency	9.75GHz / 10.6GHz
Conversion Gain	60 dB Typical
Gain Flatness	6dB p-p (max)
Power Supply	12~14V DC (Vertical) / 16~19V DC (Horizontal)



- Unique design
  - Adaptable and fits
- Out-spoken design for personal taste
  - Fit with your home design



Input Satellite Frequency	10.7~12.75GHz
Polarization	Vertical & Horizontal
Antenna Gain	33.7 dBi @ 12.7 GHz
Size(WxDxH)	558x328x58mm
Weight	4.7kg
Current Consumption	150mA (max)
Operating Temperature	-30°C to +60°C
Storage Temperature	-40°C to +80°C
LNB Output	1/2/4 output
Changeover Low / High	0KHz / 22KHz
LNB Output Frequency	950~1,950MHz / 1,100~2,150MHz
L.O. Frequency	9.75GHz / 10.6GHz
Conversion Gain	60 dB Typical
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Input Satellite Frequency	10.7~12.75GHz
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Antenna Gain	33.7 dBi @ 12.7 GHz
Size(WxDxH)	512 x 272 x 69mm
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Conversion Gain	60 dB Typical
Gain Flatness	6dB p-p (max)
Power Supply	12~14V DC (Vertical) / 16~19V DC (Horizontal)



# H38D series

Solid and beautiful! The best model in the same category

- Luxurious and gorgeous  
-For your luxurious outfit



Input Satellite Frequency	10.7~12.75GHz
Polarization	Vertical & Horizontal
Antenna Gain	33.7 dBi @ 12.7 GHz
Size(WxDxH)	515x275x60mm
Weight	5.0kg
Current Consumption	150mA (max)
Operating Temperature	-30°C to +60°C
Storage Temperature	-40°C to +80°C
LNB Output	1/2/4 output
Changeover Low / High	0KHz / 22KHz
LNB Output Frequency	950~1,950MHz / 1,100~2,150MHz
L.O. Frequency	9.75GHz / 10.6GHz
Conversion Gain	60 dB Typical
Gain Flatness	6dB p-p (max)
Power Supply	12~14V DC (Vertical) / 16~19V DC (Horizontal)



- Simple & economic solution
- Maximized performance ever
- Works on Ku-band satellite
- Dual linear polarization
- Installation bracket to adjust skew angle



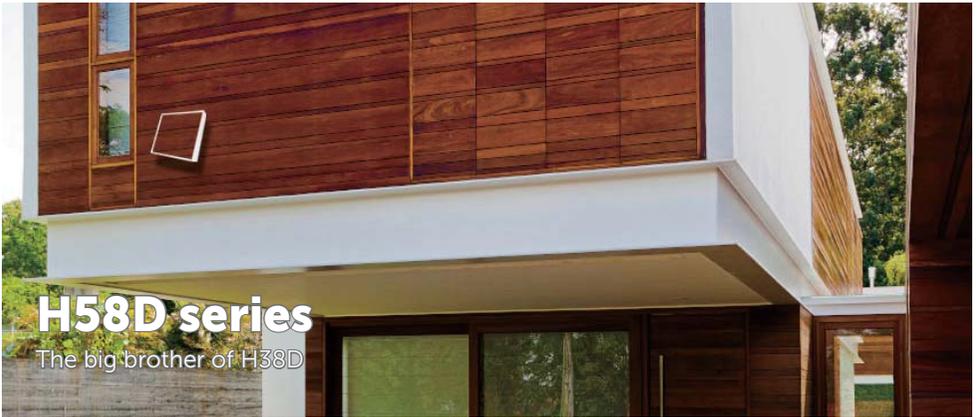
Input Satellite Frequency	10.7~12.75GHz
Polarization	Vertical & Horizontal
Antenna Gain	36.1dBi @ 12.7GHz
Size(WxDxH)	517×514×58mm
Weight	8.5kg
Current Consumption	150mA (max)
Operating Temperature	-30°C to +60°C
Storage Temperature	-40°C to +80°C
LNB Output	1/2/4 output
Changeover Low / High	0KHz / 22KHz
LNB Output Frequency	950~1,950MHz / 1,100~2,150MHz
L.O. Frequency	9.75GHz / 10.6GHz
Conversion Gain	60 dB Typical
Gain Flatness	6dB p-p (max)
Power Supply	12~14V DC (Vertical) / 16~19V DC (Horizontal)



- Aesthetic design
- Maximized performance ever



Input Satellite Frequency	10.7~12.75GHz
Polarization	Vertical & Horizontal
Antenna Gain	36.1dBi @ 12.7GHz
Size(WxDxH)	532x588x70mm
Weight	9.0kg
Current Consumption	150mA (max)
Operating Temperature	-30°C to +60°C
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Conversion Gain	60 dB Typical
Gain Flatness	6dB p-p (max)
Power Supply	12~14V DC (Vertical) / 16~19V DC (Horizontal)



- Improved durability
- Maximized performance ever
- Luxurious and gorgeous design



Input Satellite Frequency	10.7~12.75GHz
Polarization	Vertical & Horizontal
Antenna Gain	36.1dBi @ 12.7GHz
Size(WxDxH)	517x517x70mm
Weight	9.6kg
Current Consumption	150mA (max)
Operating Temperature	-30°C to +60°C
Storage Temperature	-40°C to +80°C
LNB Output	1/2/4 output
Changeover Low / High	0KHz / 22KHz
LNB Output Frequency	950~1,950MHz / 1,100~2,150MHz
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Conversion Gain	60 dB Typical
Gain Flatness	6dB p-p (max)
Power Supply	12~14V DC (Vertical) / 16~19V DC (Horizontal)



- Improved durability
- Maximized performance ever
- Luxurious and gorgeous design



Input Satellite Frequency	10.7~12.75GHz
Polarization	Vertical & Horizontal
Antenna Gain	33.7dBi @ 12.7GHz
Size(WxDxH)	527 x 520 x112mm
Weight	8.5 kg
Current Consumption	150mA (max)
Target Satellite	ASTRA1 & HOTBIRD / ASTRA4A & THOR ASTRA3 & ASTRA1 (Optional)
Switching Satellite	DiSEqC
Operating Temperature	-30°C to +60°C
Storage Temperature	-40°C to +80°C
LNB Output	1/2/4 output
Changeover Low / High	0KHz / 22KHz
LNB Output Frequency	950~1,950MHz / 1,100~2,150MHz
L.O. Frequency	9.75GHz / 10.6GHz
Conversion Gain	60 dB Typical
Gain Flatness	6dB p-p (max)
Power Supply	12~14V DC (Vertical) / 16~19V DC (Horizontal)



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