

# Downconverter

- All Signals Over a Single Wire
- Eliminates Need for Multiswitching
- Different Input Frequencies Available



Downconverter  
product number 5322-70, 75

OnePath's SDTVplus Downconverter converts the output from the SDTVplus MiniHub into a format accepted by the DBS IRD. Converting frequencies eliminates the need for multiswitching by placing all signals on a single wire.

OnePath's Downconverters offer two input frequencies to meet the specific needs of any region in the world.

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Parameter	Model 5322-70	Model 5322-75
Number of Inputs	One (Combined CATV & DBS)	
Number of Outputs	Two (CATV, DBS)	
CATV Return Path Input Frequency	5 - 42 MHz	
CATV Video Input Frequency	54 - 750 MHz	
DBS RHCP Input Frequency	950 - 1450 MHz	
DBS LHCP Input Frequency	1520.6 - 2020.6 MHz	1525- 2025 MHz
CATV Output Frequency	5 - 750 MHz	
DBS Output Frequency	950 - 1450 MHz	
DBS Conversion Gain	6 dB @ 1450 MHz	
DBS Conversion Gain Uptilt	4 dB (2 dB @ each band) (min.)	
CATV Conversion Gain	-2.5 dB (min.)	
LO Frequency	570.6 MHz	575 MHz
LO Set Accuracy	±50 KHz (max.)	
+LO Stability (-40° to 52° C)	±50 KHz (max.)	
Input Power Level	-65 to -45 dBm	
Output Power Level	-55 to -35 dBm typical	
RHCP Polarity Selection via DBS Output	11.5 to 14 V	
LHCP Polarity Selection via DBS Output	16 to 19 V	
Return Loss	8 dB Min	
2nd LO Harmonic Output Power	-60 dBm (@ DBS Output) (max.)	
LO, 3rd LO Harmonics Outputs Power	-35 dBm (@ DBS Output) (max.)	
Any Spurious at CATV Output	-70 dBm (max.)	
DBS to CATV Isolation	30 dB (min.)	
DC Input	Through DBS Output Connector	
Input Voltage	11 - 21 V	
Current Drain	200 mA (max.)	
Impedance	75 Ω	
Connectors	F-Type / Female	
Operating Temperature	-20° to 50° C	
Storage Temperature	-40° to 60° C	
Relative Humidity	95% non-condensing	
Physical Dimensions W x H x D in. (cm.)	4.6 x 3.3 x 1.1 (11.68 x 8.38 x 2.79)	
Housing	Nickel Plated Zinc	

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