

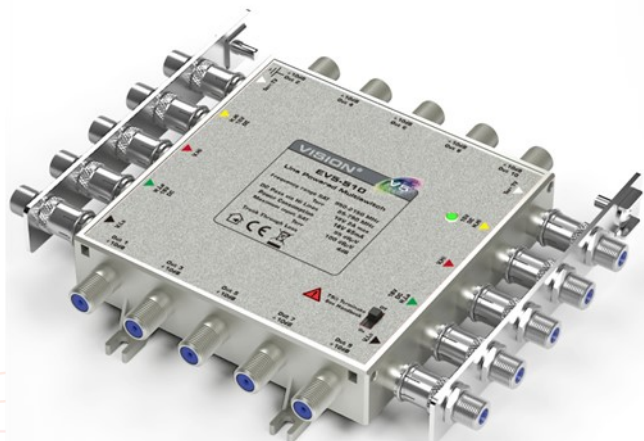
VISION® Datasheet

124752 EV5-510P 5 input – 10 output line powered multiswitch with Subscriber trunk power option

- 5-input, 10-output line powered active multiswitch.
- Subscriber switch Trunk Power 500mA max.
- Can be “cascaded” up to four times to build a 40 output stepped gain multiswitch.
- 3dB trunk line through loss with 10dB SAT/Terr Gain at all outputs.
- Extremely low current consumption 70mA from trunk with DC pass up to 2A.
- Ideal as legacy multiswitch companion to Vision dSCR multiswitches.
- Built-in 75Ω switchable end of line terminator.

EV5-510, 5-input, 10-output multiswitch is the latest addition to the EV5 range of market leading IRS equipment.

This multiswitch is designed as a cost effective solution for smaller IRS installations where subscriber cables are a maximum 50m. EV5-510 is a 5-input, 10-output multiswitch that allows the installer to build up to a forty output multiswitch combination. As each multiswitch has a 4dB trunk insertion loss and 10dB output gain the combination automatically builds in Vision’s famous “stepped-gain” output to equalise long and short subscriber cables.

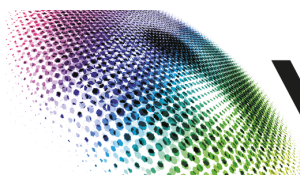


EV5-510 multiswitches can be used in traditional EV5 architecture of a tapped “tree & branch” or split radial style layout and is ideal where a group of multiswitches is co-located at a single distribution point.

Model	EV5-510P 124752	Note
No. of Inputs	4 x SAT + 1 x Terr	
No. of outputs	10	
Frequency Range SAT	4 x 950-2150MHz	UK Colour coded
Frequency Range Terr	1 x 85MHz – 790MHz	FM / DAB / UHF 4G/LTE
Trunk through loss	<4dB	
Output gain Terr / SAT	10dB / 10dB	
Output gain pre-emphasis	+9dB	
Maximum input level SAT (IMD ³ -35)	100dBμV	EN50083-3
Maximum input level Terr (IMD ³ -35)	88dBμV	
Maximum output level SAT (IMD ³ -35)	110dBμV	
Maximum output level Terr (IMD ³ -35)	98dBμV	
Isolation SAT / SAT (Trunk)	>30dB	
Isolation Terr / SAT (Trunk)	>30dB	
Isolation (output to output)	>27dB	
Current Consumption from trunk	18V 70mA	Operating voltage 12-20V DC
Current Consumption from receiver	40mA @ 18V	
Control Signals V:Lo, H:Lo	11.5V-14.5V/0KHz 16.5V – 19V/0KHz	
Control Signals V:Lo, H:Lo	11.5V-14.5V/22KHz 16.5V – 19V/22KHz	
DC Power requirement	12 - 18V DC	
DC Pass through trunk	2.0A	shared via H:Lo & H:Hi
Dimensions including connectors	133 x 133 x 30mm	
Weight kg	0.44kg	

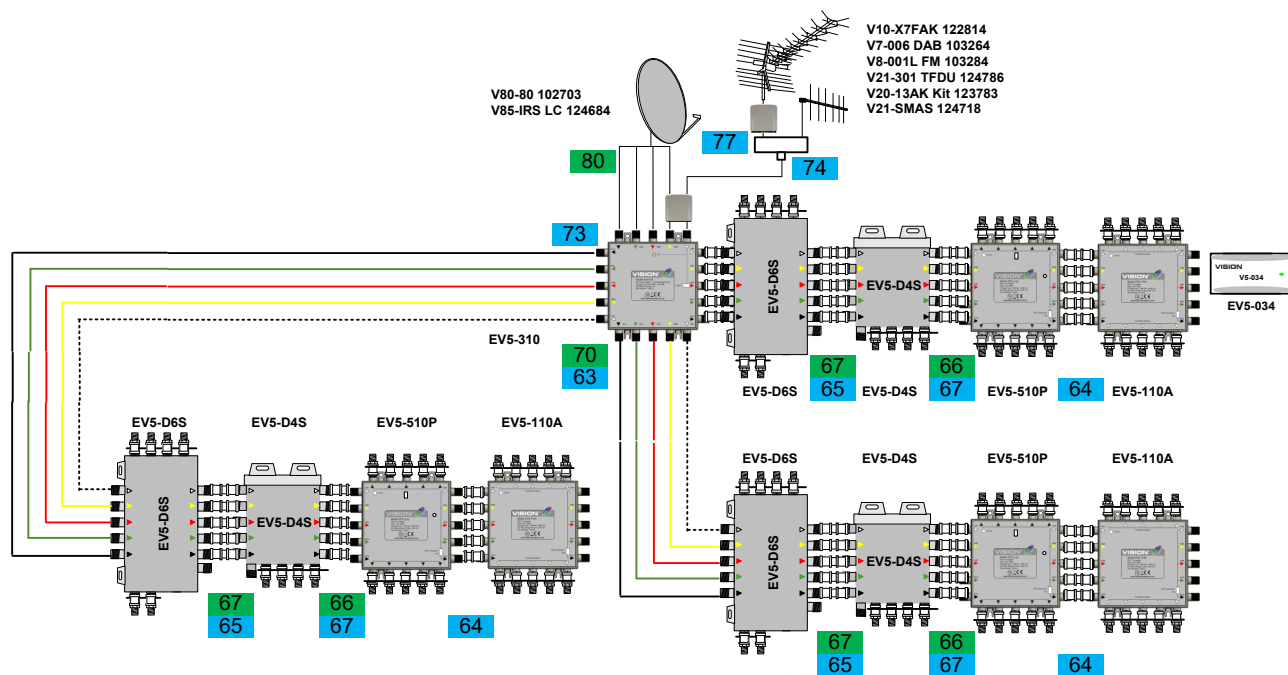
In the interests of continued product improvement and development we reserve the right to change specifications, design and dimensions without prior notice.
Details correct at date of publication E&OE ©2019 Vision Products (Europe) Ltd

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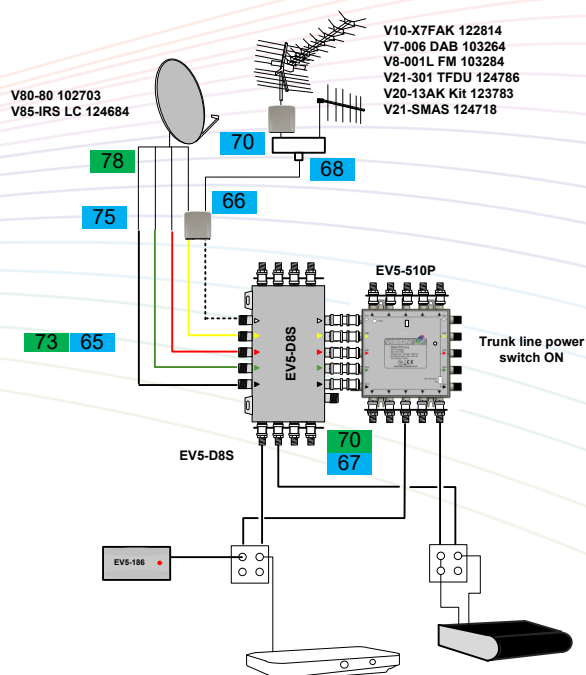
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10 Apartment Layout 3 floors, dSCR, Legacy and single bedroom point



No Landlords Supply 8 Apartment Layout, dSCR, Legacy

EV5-510P switch "ON" enables the trunk lines to be powered via the receiver or separate power injector / power supply. This ensures that the LNB, Terrestrial and masthead amplifiers to be powered.



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