

## Datasheet

### V5 Mains Powered Radial Multiswitches

**V5-508MP 5-Input, 8-output Multiswitch**

**V5-512MP 5-Input, 12-output Multiswitch**

**V5-516MP 5-Input, 16-output Multiswitch**



- Designed for stand-alone radial or "T" & branch tapped systems
- Can be used to power line powered systems via H cables at up to 800mA
- Active satellite and terrestrial with "stepped" gain for signal equalisation
- Terrestrial signal always active
- Switchable 12V/100mA power for masthead amplifier
- Level controls for terrestrial inputs
- High output for long subscriber lines with stepped gain for signal equalisation
- Switch-mode-power supply with LED power indicator

Model	V5-508MP	V5-512MP	V5-516MP
Number of Inputs		4 x SAT + 1 x Terrestrial	
Number of Outputs	8	12	16
Frequency Range	SAT	950 – 2400MHz	
	Terr	47– 862MHz	
Gain SAT	Output 1 - 4	+1 to +4dB	
Fixed Slope	Output 5 - 8	-1 to +1dB	
Pre-emphasis	Output 9 - 12		-3 to -2dB
	Output 13 – 16		-4 to -5dB
Gain Terrestrial	Output 1 – 4	-7 to -3dB	
	Output 5 – 8	-8 to -5dB	
	Output 9 - 12		-9 to -7dB
	Output 13 – 16		-10 to -9dB
Gain Control	Terrestrial	17dB adjustable	
Output Level SAT (IMD3 – 35dB)		92dB $\mu$ V	
Output Level (DIN 45004B)	Output 1-4	92dB $\mu$ V	92dB $\mu$ V
	Output 5-8	89dB $\mu$ V	89dB $\mu$ V
	Output 9-12	-	87dB $\mu$ V
	Output 13-16	-	-
SAT / SAT Input Isolation		>30dB	
SAT / SAT Output Isolation		>30dB	
Terrestrial Output Isolation		>30dB	
Rejection SAT/Terrestrial		≥40dB	
DC Supply to RF inputs (total)		18V / 0.8A max	
DC Supply to RF inputs 14V + 12V		14V / 0.5A max	
Current consumption from receiver		<70mA	
Power consumption		240V 50Hz/21W	
Control Signals	V/Lo, H/Lo	11.5V – 14.5V/0kHz, 16.5 – 19V/0kHz	
	V/Hi, H/Hi	11.5V – 14.5V/22kHz, 16.5 – 19V/22kHz	
Dimension mm	230 x 128 x 53	270 x 128 x 53	310 x 128 x 53
Weight	0.78kgs	0.88kgs	0.98kgs

*In the interests of continued product development & improvement, Vision Products (Europe) Ltd reserves the right to change product specifications, design & dimensions. Data correct at time of going to press.*