

V90-110 Cluster Filter / Launch Amplifier with High Gain and Output

- Fully programmable cluster filter and launch amplifier with 3 x UHF, FM and DAB (Band III) inputs
- Up to 10 easy to set programmable filters each from 1 – 6 channels wide
- Flexible input configuration to filter and mix signals from different sources
- Programmable 40-50dB overall gain in 1dB steps with 30dB level adjustment for each filter
- High output capability
- Simple software control and LED display
- Clone and auto programme from memory card
- Compartmentalised die-cast housing



Model	V90-110				
Bands	FM	DAB	UHF 1	UHF 2	UHF 3
Frequencies MHz	87.7	174-230	470-862	470-862	470-862
Gain	40 dB	40 dB	Programmable 40 dB to 50dB in 1dB steps		
Gain Regulation	-18dB	-18dB	-30 dB		
Input Bandwidth	85MHz-108MHz	216MHz-240MHz	470MHz-860MHz		
Max. Input Level	85 dBµV	85 dBµV	85 dBµV		
			Filter1-6	Filter 7-9	Filter 10
Input to filter Configuration (Bold indicates input programming)	-	-	Input 1 Input 1 Input 1 Input 1	Input 1 Input 1 Input 2 Input 2	Input 1 Input 3 Input 2 Input 3
Max. Output level (50dB Gain)	123 dBµ V (DIN 45004B 2 Channels)				
Max. Output level (40dB Gain)	119 dBµ V (DIN 45004B 2 Channels)				
Noise figure	6 dB	6 dB	8 dB		
Selectivity	40dB		> 22 dB @ +/- 16MHz from channel edge		
Mains power	230V AC +/-10%				
Power consumption	10 VA				
Operating temperature	0° to + 50°C up to 90% of ambient humidity				
Dimensions/Weight kg	283 x 153 x 41 mm 1.5kg				
Protection category	IP30 – Indoor mounting				

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. 30/04/2008