

TAE

Extension Amplifiers

862 MHz Amplifiers three models with active return path, for the distribution of terrestrial TV signals.

3 models:
Output level: 125 ; 120 ; 118 dBμV



TV signals input and Reverse way output



Low consumption



TV signal output and
Reverse way input



Attenuation and
equalization adjustments

Main Features

Model		TAE1125	TAE1120	TAE1118
Ref.		3249	3264	3263
Powering mode		Mains	Mains	Mains
Bandwidth-Forward way	MHz	86 - 862	86 - 862	86 - 862
Bandwidth-Reverse way	MHz	5 - 66	5 - 66	5 - 66

Forward way

Response flatness	dB	±0.75	±0.75	±0.75
Nominal gain	dB	35	35	35
Input variable attenuator	dB	0 – 18	0 – 18	0 – 18
Slope control range	dB	0 – 18	0 – 18	0 – 18
Noise figure	dB	≤ 5	≤ 8	≤ 8
Output level (IM3 -60dB, DIN 45004B)	dBμV	124	120	118
Output level (IM2 -60dB, EN 50083-3)	dBμV	115	115	115
Output level (CTB -60dB, EN 42 ch)	dBμV	110	105	103
Output level (CSO -60dB, EN 42 ch)	dBμV	114	108	106
Output test	dB	-30	-30	-20

Reverse way

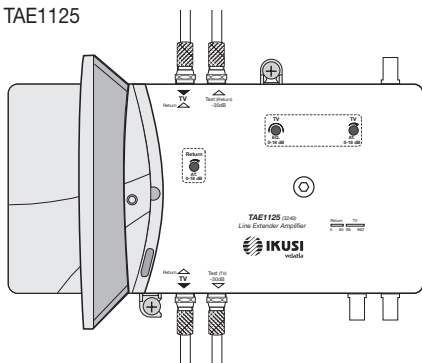
Nominal gain	dB	25.5	12	12
Input variable attenuator	dB	0 – 18	0 – 11	0 – 11
Noise figure	dB	≤ 7	≤ 7	≤ 7
Output level (-60dB, DIN 45004B)	dBμV	115	110	110
Output level (IM2 -60dB, EN 50083-3)	dBμV	108	105	105
Output test	dB	-30	-30	-20

General

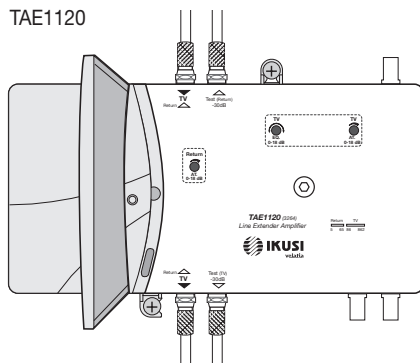
Operating supply voltage	V _{AC}	230-240	230-240	230-240
Consumption	W	15	10	10
Dimensions	mm	222 x 140 x 44	222 x 140 x 44	222 x 140 x 44

- Distribution of television, sound and interactive multimedia signals.
- The TAE1125 model, ideal for hotels and dense multiple dwelling units.
- 862 MHz amplifiers with active return path on all models.
- Mains or line powering 50/60. Operation shown by led. Mains lead insertable in connection socket.
- Attenuation and equalization adjustments of TV signals by potentiometer. Selection of return signal attenuation by the insertion of small plug-in links.
- Forward and reverse output test.
- Power Doubling technology (TAE1125) and Push-pull technology (TAE1120 and TAE1118).
- Zamak housing with protective cover for the adjustment controls. Wall fixing. Indoor mounting. Grounding terminal.
- Removable Power Supply.

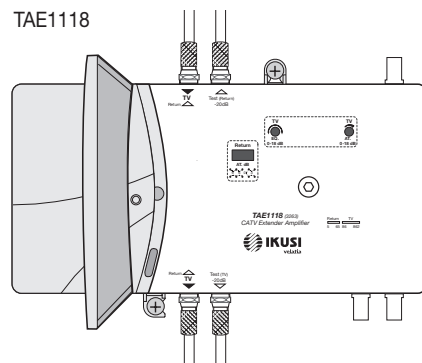
TAE1125



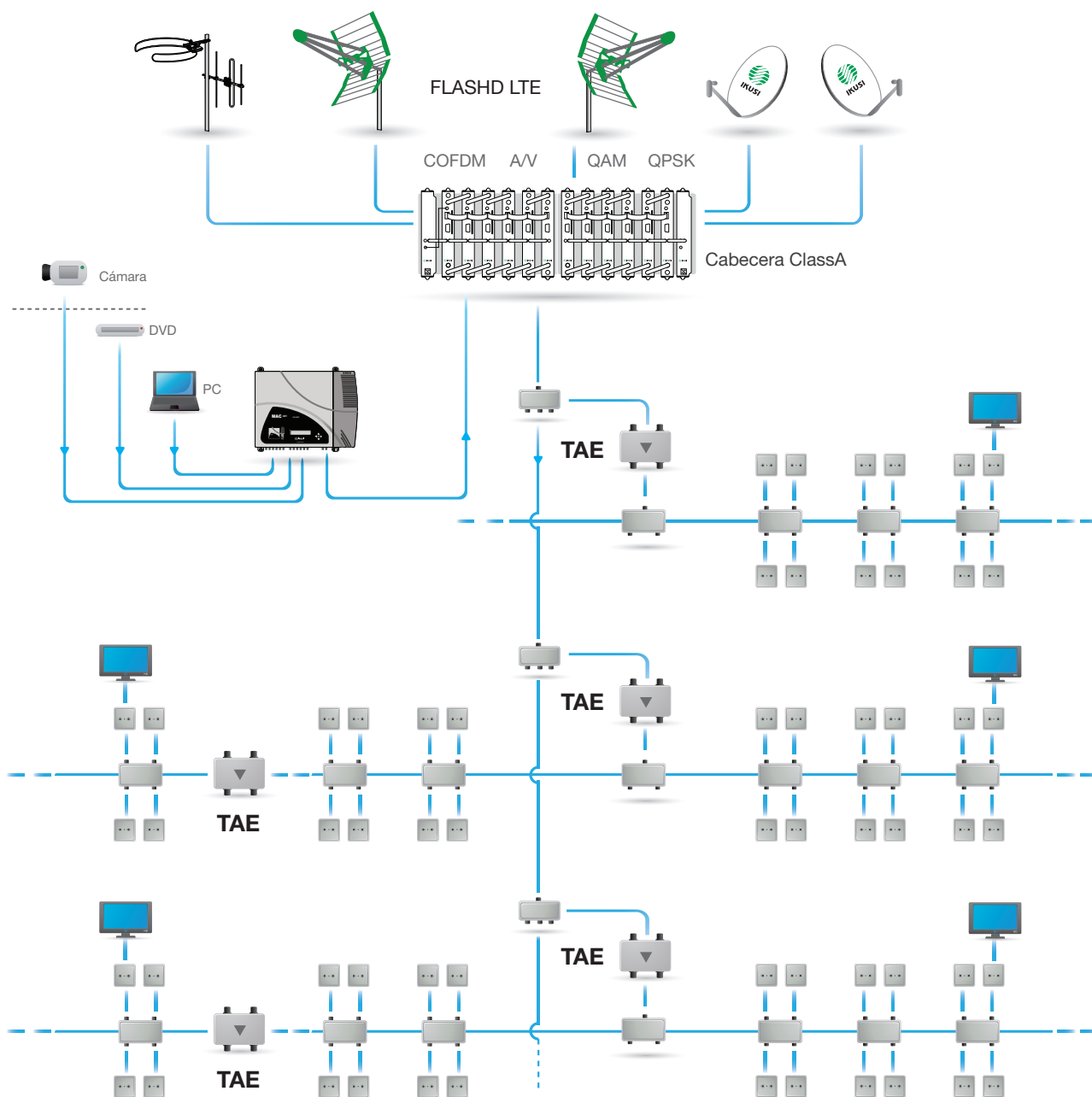
TAE1120



TAE1118



Application examples



- TAE model depends on the number of users and the expansion of the distribution network.



HEADQUARTER

IKUSI - Ángel Iglesias S.A. · Pº Miramón, 170 · 20014 San Sebastián · SPAIN
Tel.: +34 943 44 88 00 · Fax: +34 943 44 88 20 · television@ikusi.com · www.ikusi.tv

