

SMATV digital amplifier

WWK Alpha



- 32 digital channel processors
- Amplifies and converts digital signals
- LTE and 5G protected
- High selectivity >35dB
- Input ports isolation >30dB
- Auto signal leveling and equalisation
- Designed to new generation of digital signals
- 4 VHF + UHF inputs
- FM + AUX inputs
- USB port (config import/export + firmware update)
- Large display



WWK ALPHA is a new generation, digital amplifier. Designed and produced by TELKOM-TELMOR to offer:

- high selectivity
- high gain + AGC
- protection from unwanted signals (LTE, 5G)
- best possible output parameters

This device will be the best choice as a first active device in SMATV system.

It offers adjustable output level from 96 to 116 dBμV + possible equalization.

ALPHA eliminates unwanted signals like LTE, 5G or duplicated MUX from Your distribution system.

It can work directly with optical distribution networks thanks to precise level adjustment + AGC and proper output level (through RF output or Test point).

Each DVB-T/T2 signal can be configured separately according to input and desired output frequency. Additionally output level can be set separately for each channel if installation requires that. It is also possible to check the input level of desired channel. All settings are done by local manipulator and are visible on large display.

32 channel processors can be set individually. Each channel can have desired output frequency and output level.

For special applications You can use FM and AUX path to add and amplify radio and headend/modulator signals.

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TECHNICAL PARAMETERS

		VHF/UHF	FM	AUX
Inputs	/	4	1	1
Band	MHz	174..230 + 470...694/790/862	87,5-108	47-862
Max. Input level	dBμV	40-100	40-90	60-90
Gain	dB	20-80 (AGC)	25/35	10/22
Equalisation	dB	0..9	/	/
Nosie figure	dB	/	<7	/
Gain adjustment	dB	20 +/-1		
Max output level VHF/UHF (IM3-60dB)	dBμV	116		
Max output level – 6 MUXes	dBμV	112	/	/
Filter combination	/	32 niezależne	/	/
Channel bands	MHz	8(UHF), 7(VHF)	/	/
Selectivity ± 1 MHz	dB	>35		
Return loss – inputs	dB	>10		
Return loss – outputs	dB	>10		
Powering	V/AC	100-240		
Power consumption 230VAC	W	17		
Remote powering on VHF-UHF inputs	V/mA	12/50		
Inputs with remote powering	V/mA	VHF/UHF 1..4		
Working temperature	°C	0..50		
Connectors type	/	F		
Dimensions	mm	200 x 190 x 48		
Weight	kg	0,5		
Package	/	box		

Technical parameters are subject to change without prior notice.

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