

PROGRAMMABLE AMPLIFIERS NOVUS SERIE

NOVUS PRO NOVUS PRO ICT

- ✓ 32 ultra-selective digital filters
- ✓ Gain >70dB self-regulating
- ✓ Automatic search for digital multiplexes
- ✓ Programming with Joystick - Simple navigation through the menu
- ✓ Processing functionality for channel conversion
- ✓ Individual output level adjustment
- ✓ Real-time automatic gain control
- ✓ Pre-amplifier power supply: 12V and 24V
- ✓ LNB power supply (NOVUS PRO ICT)
- ✓ Suitable for common telecommunications infrastructure (ICT) installations with more than 30 outlets
- ✓ Input for optional redundant power supply
- ✓ TEST mode to identify installation defects
- ✓ SPECTRUM mode for quick filter visualization and editing
- ✓ VISUAL mode for filter adjustment and editing without a screen (EK Patented)
- ✓ Status monitor for internal operation diagnostics

NOVUS PRO

- ✓ 4 inputs (1 x FM, 1 x VHF + DAB + UHF selectable, 1 x VHF/UHF selectable, 1 x UHF)
- ✓ 2 outputs (TER / TEST -30dB)
- ✓ Output level: 124dBuV (DIN45004B) / 116dBuV (10MUX)

NOVUS PRO ICT

- ✓ 5 inputs (1 x FM, 1 x VHF + DAB + UHF selectable, 1 x VHF/UHF selectable, 1 x UHF, 1 x SAT)
- ✓ 2 outputs (TER / TER + SAT)
- ✓ DTT output level**: 120dBuV (DIN45004B) / 112dBuV (10MUX)
- ✓ SAT output level**: 119dBuV (IMD3-35dB)
- ✓ DTT output level**: 118dBuV (45004B) / 129dBuV (IMD3-36dB)
- ✓ SAT output level**: 119dBuV (IMD3-35dB)



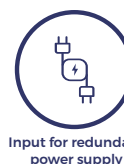
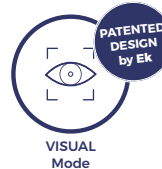
NOVUS PRO



NOVUS PRO ICT



2.1mm Jack connector for redundant power supply



(*) Register at www.ek-plus



TECHNICAL INFORMATION

REFERENCE	NOVUS PRO				NOVUS PRO ICT				
Code	071020				071021				
	UHF	BIII/UHF	DAB/BIII/UHF	FM	UHF	BIII/UHF	DAB/BIII/UHF	FM	SAT
Inputs	1	1	1	1	1	1	1	1	1
Frequency range	470-694MHz	BIII 174-230MHz UHF 470-694/ 790/862MHz	DAB 195-240MHz BIII 174-230MHz UHF 470-694/ 790/862MHz	88-108 MHz	470-694MHz	BIII 174-230MHz UHF 470-694/ 790/862MHz	DAB 195-240MHz BIII 174-230MHz UHF 470-694/ 790/862MHz	88-108 MHz	950-2150 MHz
Max. gain	>75dB Autoreg	>65dB Autoreg		28dB	>70dB Autoreg	>60dB Autoreg		24dB	40dB
Input sensitivity (AUTOSEARCH) typ.	40dBuV	50dBuV		-	40dBuV	50dBuV		-	-
Number of filters	32*			-	32*			-	-
Filter selectivity	Optimal/Smooth			-	Optimal/Smooth			-	-
General attenuation control	0...20dB+AGC			0...20dB	0...20dB+AGC			0...20dB	0...20dB
Individual attenuation control	0...10dB			-	0...10dB			-	-
Slope	0...10dB			-	0...10dB			-	0/7dB
Max. input level	90dBuV	110dBuV		-	90dBuV	110dBuV		-	-
Max. output level	124dBuV (DIN45004B)			-	120dBuV (DIN45004B)			-	-
Max. output level (10MUX)	116dBuV			-	112dBuV			-	119dBuV IMD3 -35dB
RF outputs	TER / TEST -30dB				SAT+ TER/ TER				
Noise figure	-			<6dB	-			<6dB	<8dB
Preamp/LNB power supply	-	0V/12V/24V 100mA máx		-	-	0V/12V/24V 100mA máx		-	13V/18V/ Bypass & 0/22kHz 300mA máx
Power supply	100-240Vac / 50-60Hz								
Redundant power supply	12V (Jack 2.1mm)								
Power consumption	<10W				<15W				
Operational temperature range	-10...45°C								
Display	OLED								
Status monitor	Voltage and internal temperature								
TEST mode	Installation verification								
SPECTRUM mode	Quick filter visualization and editing								
VISUAL mode	Filter adjustment and editing without a screen								
Language	Spanish/English/French/Italian								
FW update	PC connection via USB								
Password	4-digit PIN								

* Number of filters for UHF inputs. If the DAB input is selected, 7 filters will be assigned to this band and 25 to the remaining UHF inputs.