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Unicable II™

Programmable 24UB LNB

Model: IDLU-24UL40-UNMOO-OPP

Item: 5228



This Unicable II™ LNB enables installations with up to 24 satellite receivers connected over a single coax cable and using the EN50494/EN50607 protocols providing access to unlimited number of transponders (also known as 'Dynamic' mode). Alternatively, it can be configured to deliver a fixed mapping of transponder frequencies to IF frequencies (also known as 'Static' mode), allowing an unlimited number of receivers to be connected and providing them access to up to 24 transponders (or more, depending on the bandwidth of the desired transponders) based on digital channel stacking technology.

Digital channel stacking technology uses fast wideband analog to digital converters and applies digital signal processing to select desired transponder channels, up convert them and stack them as IF signals over the Unicable output ports. The Unicable II™ LNB offers a full flexibility of channel selection, supports many more set-top-boxes over existing cabling thus significantly reducing cost and simplifying installations at subscribers' homes. The Static mode, allowing an unlimited number of receivers to be connected to the LNB, makes multi-room distribution and MDU installations substantially cheaper and simpler than ever before. The operating mode - dynamic or static - output power level, channel bandwidth, UB numbers, center frequencies and dish alignment mode are all programmable and can be configured and updated in the field using a dedicated programmer device - the SatPal™ Controller*.

The LNB can be powered over a connected STB or by an AC/DC adapter over a power inserter in case the STB is unable to provide the necessary power. Unicable II™ is backward compatible, fully compliant with both EN50494 and EN50607 standards and integrates seamlessly into EN50494-only or mixed EN50494/EN50607 installations of compatible STBs, Next Generation PVRs and HGWs.

For more information on the Unicable II™ technology and its advantages please refer to: www.inverto.tv/what-is-unicable-2

For more information on the SatPal™ technology and its advantages please refer to: www.inverto.tv/satpal

Main Features:

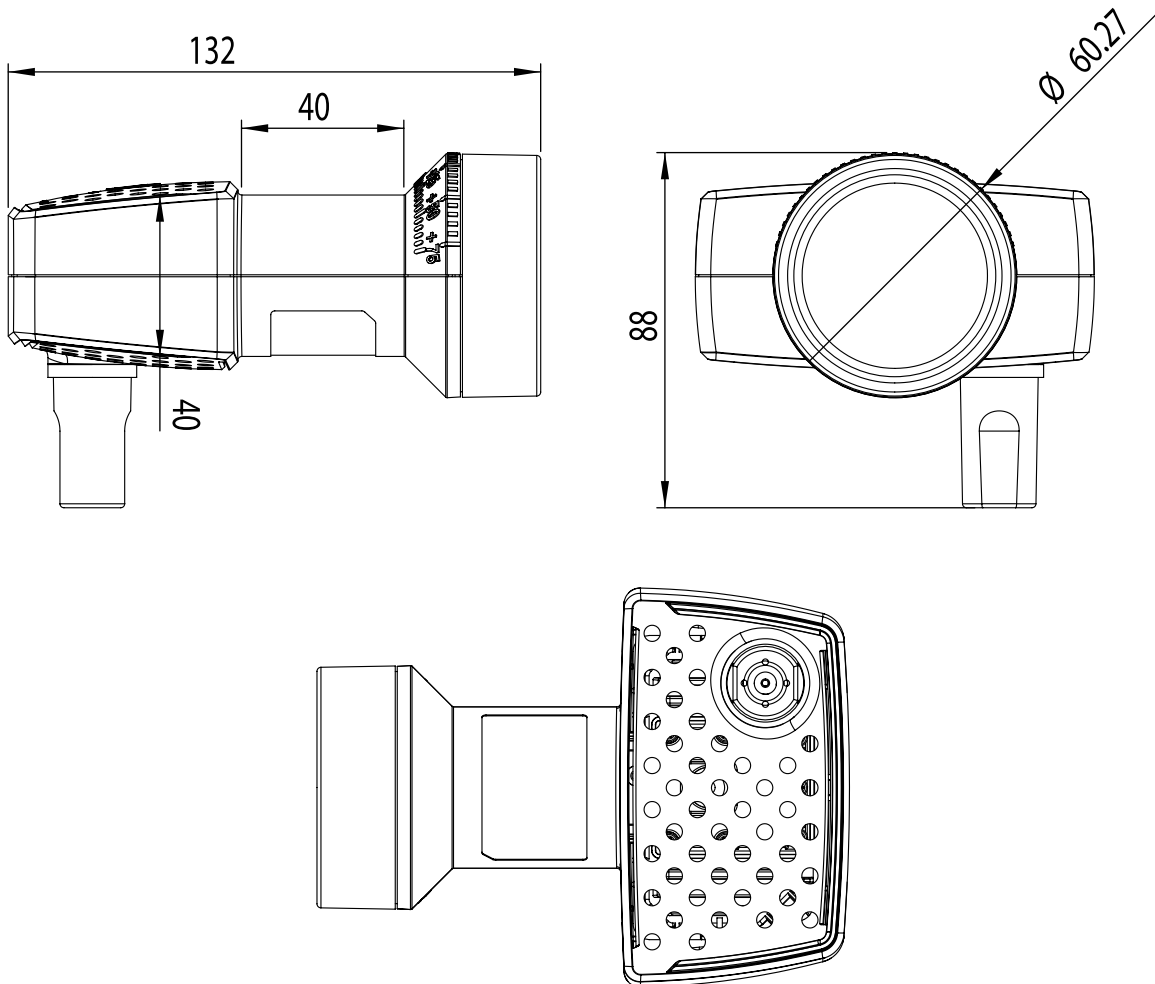
- Low phase Noise HDTV-DVBS2 compliant
- Low Noise Figure
- Very high cross-pol isolation
- Programmable Static frequency mapping mode
- Dish alignment mode

Technical Specifications:

Input frequency range	10.7 GHz ~ 12.75 GHz
LO frequency	10.4 GHz
Noise figure	1 dB max.
LO temperature drift @ 25 °C	±2.5 MHz max.
LO Initial accuracy	±1.0 MHz max.
LO phase noise @ 10 kHz	-80 dBc/Hz max.
Conversion gain	55 dB min.
Gain variation (over full band)	±0.75 dB/UB max.
Image rejection	40 dB min.
1 dB compression point (@ output)	0 dBm min.
Cross polarization isolation	22 dB min.
Output VSWR	2.5 : 1
Current consumption	350 mA max. @ 13.5 V
Operating temperature	-30 °C ~ +60 °C
Output impedance	75 Ω
Output connector type	F-Type (female)
Weight	220 g
Bandwidth User Band	Configurable, 10 MHz ~ 80 MHz (default 36 MHz)
Number of User Bands	Up to 24 User Bands
Standard configuration	24 UBs in dynamic mode: UB1 1210 MHz (EN50494+EN50607) UB2 1420 MHz (EN50494+EN50607) UB3 1680 MHz (EN50494+EN50607) UB4 2040 MHz (EN50494+EN50607) UB5 1005 MHz (EN50494+EN50607) UB6 1050 MHz (EN50494+EN50607) UB7 1095 MHz (EN50494+EN50607) UB8 1140 MHz (EN50494+EN50607) UB9 1260 MHz (EN50607) UB10 1305 MHz (EN50607) UB11 1350 MHz (EN50607) UB12 1475 MHz (EN50607) UB13 1520 MHz (EN50607) UB14 1565 MHz (EN50607) UB15 1610 MHz (EN50607) UB16 1725 MHz (EN50607) UB17 1770 MHz (EN50607) UB18 1815 MHz (EN50607) UB19 1860 MHz (EN50607) UB20 1905 MHz (EN50607) UB21 1950 MHz (EN50607) UB22 1995 MHz (EN50607) UB23 2085 MHz (EN50607) UB24 2130 MHz (EN50607)
Channel isolation	25 dB Min.
Unicable Control Signals	DiSEqC1.x/DiSEqC2.x, EN50494/EN50607

Logistical info:

Packaging dimensions (h x w x d)	10.5 cm x 6.85 cm x 13.9 cm
Packaging weight	0.26 kg
Quantity per carton	50 pcs
Carton dimensions (h x w x d)	54.5 cm x 38.8 cm x 29.8 cm
Carton weight	13.78 kg
Quantity per pallet	600 pcs



For purpose of brevity, some product descriptions in this sheet remain at platform level and may not be referred to as detailed datasheets of the products. Inverto Digital Labs reserves the right to amend, omit or add products, product-lines, and / or features without notice. As product specifications may change without notice, always contact Inverto to obtain the latest product specification sheets.

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