



L3025 DownConverter



L9972 Mounting Bracket

Features

- A key component of the Link Wireless Camera System, but also suitable for use in third party systems
- Performance optimized for use with DVB-T/LMS-T/SCM-Q COFDM reception
- Very high dynamic range for weak signal reception with co-located high-level signals
- Longer cable runs between down-converter and receiver are permissible in high gain mode
- Front-end filter reduces overloading from UHF transmissions
- Antenna port protected against damage from high-power transmitters and static discharge
- Small and light-weight to allow easy pole mounting
- Full protection against water and dust (IP65) for outdoor installations
- Tri-colour LED indicates unit status and gain mode setting

Specifications

General

Antenna Input: N-Type (F) 50Ω
 UHF Output: BNC (F) 75Ω
 Noise Figure: <3dB*
 Phase Noise: -90dBc/Hz @ 10kHz offset
 Spurious: <-60 dBm
 OIP3: >26 dBm
 OP1dB: >14 dBm
 Image/Half-IF Rejection: >60dBc

Compliance:

CE (EN302064 EN301489 & ES202239)
 FCC . . . Static Discharge (IEC61000-4-2)

Environmental:

Temperature: . . -10° C to +55°C IP65
 [14° F to 122° F]
 Power supply: 12.5 to 24V DC
 (via UHF output connector)
 Power consumption: up to 5W
 (High gain mode)

Model	Frequency	Gain Mode		Physical (Excluding Bracket)	
		Normal	High	Dimensions	Weight
L3025 - 1415	1.435 - 1.525 GHz	28 dB. (typ.)	43 dB. (typ.)	H - 153 mm [6"] W - 65 mm [2.6"] D - 25 mm [1"]	250g [0.56 lbs]
L3025 - 1718	1.785 - 1.805 GHz	30 dB. (typ.)	45 dB. (typ.)		
L3025 - 1927E	1.9 - 2.7 GHz	26 dB. (typ.)	41 dB. (typ.)		
L3025 - 2732	2.7 - 3.2 GHz	26 dB. (typ.)	41 dB. (typ.)		
L3025 - 3239E*	3.2 - 3.9 GHz	26 dB. (typ.)	41 dB. (typ.)		
L3025 - 4450	4.4 - 5.0 GHz	24 dB. (typ.)	39 dB. (typ.)		
L3025 - 5459	5.4 - 5.925 GHz	26 dB. (typ.)	41 dB. (typ.)	H - 168 m[6.1"] W - 65 mm [2.6"] D - 25 mm [1"]	300g [0.66 lbs]
L3025 - 6471	6.425 - 7.125 GHz	38 dB. (typ.)	53 dB. (typ.)		
L3025 - 6875	6.8 - 7.5 GHz	38 dB. (typ.)	53 dB. (typ.)		

Other bands are available, contact us with your requirements

The L3025 is powered via the output cable.

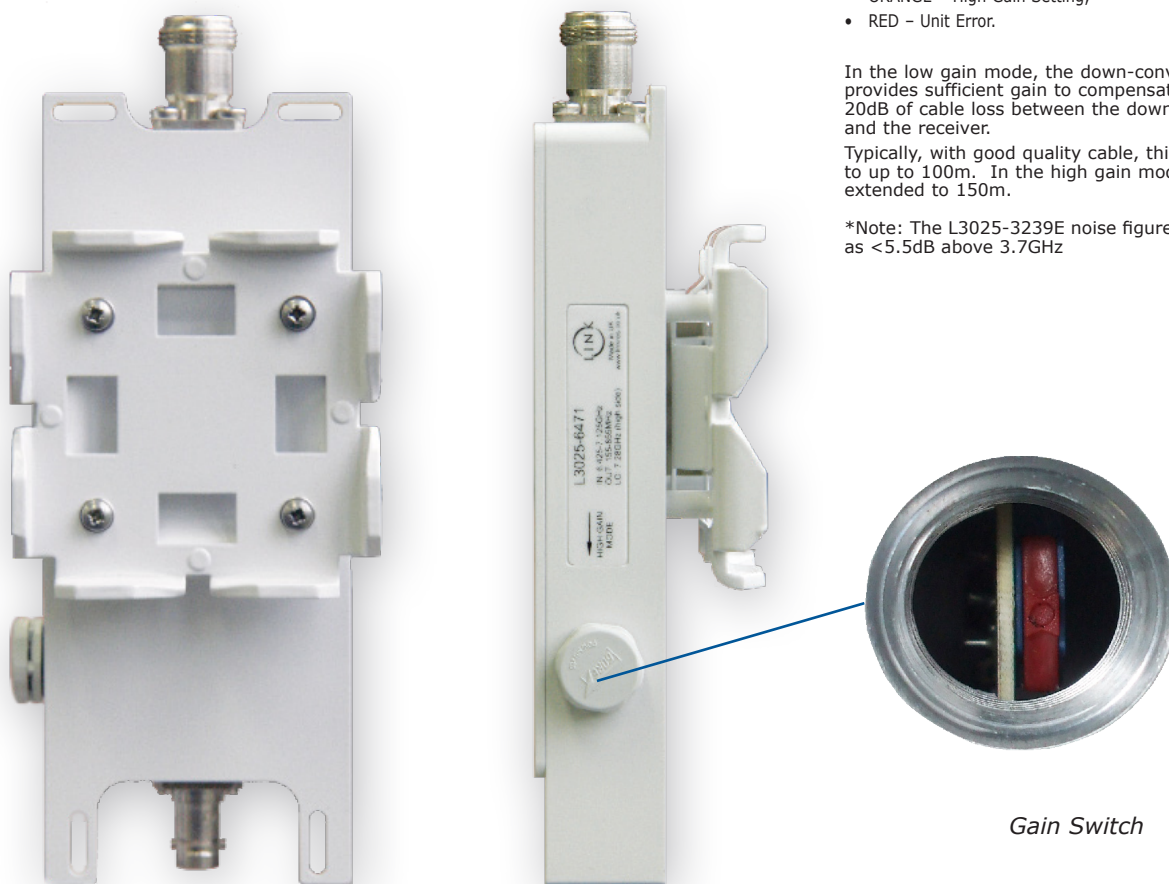
A tri-colour LED indicates unit status:

- GREEN - Low Gain Setting,
- ORANGE - High Gain Setting,
- RED - Unit Error.

In the low gain mode, the down-converter provides sufficient gain to compensate for up to 20dB of cable loss between the down-converter and the receiver.

Typically, with good quality cable, this corresponds to up to 100m. In the high gain mode this can be extended to 150m.

*Note: The L3025-3239E noise figure is specified as <5.5dB above 3.7GHz



Gain Switch