

Fanbeam

Antennas

The Vislink FB10 and FB13 are high gain antennas, providing 90-degree sector coverage. These antennas are commonly installed on buildings, using remote switching to provide 360-degree coverage for central receive sites.

Fan Beam antennas are also used to receive signals from digital wireless camera systems in sports stadiums and other locations.

An additional pole or rail mount bracket allows for ease and simple mounting.

The L3025 takes power from the output cable (usually from the UltraReceiver or L2174 wireless camera demodulators and decoders). A tricolor LED indicates unit status.

The unit has switchable low and high gain modes:

- In low gain mode, the Down Converter provides sufficient gain to compensate for up to 20-30dB of cable loss between the Down Converter and the receiver, giving up to approximately 100m (using good quality cable).
- In high gain mode, the distance can extend to approximately 150m.



Key Features

- Small, lightweight and fully protected against water and dust ingress (IP65).
- Antennas (and Down Converters) can be located up to 100m from demodulators and decoders.
- High dynamic range for weak signal reception with co-located high level signals.
- Tricolor LED indicates unit status and gain mode.
- Additional L9972 Mounting Brackets enable simple rail and pole mounting.

Note: The Down Converter image is for illustrative purposes only.

General

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

Status

- Tricolor LED:
 - GREEN – Low Gain Setting
 - ORANGE – High Gain Setting
 - RED – Unit Error

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

- 12.5 to 24V DC
 - via UHF output connector

| Model | Frequency | Gain Mode dB (typ.) | | Physical Dimensions (mm) | Weight (g) |
|-------------|-----------------|---------------------|---------|---|----------------------|
| | | Normal dB | High dB | | |
| L3025-1415 | 1.435-1.525 GHz | 28 | 43 | 153 (H) x 65 (W) x 25 (D) (6" x 2.6" x 1") | 250 g (0.56 lbs.) |
| L3025-1718 | 1.785-1.805 GHz | 30 | 45 | | |
| L3025-1927E | 1.9-2.7 GHz | 26 | 41 | | |
| L3025-2732 | 2.7-3.2 GHz | 26 | 41 | | |
| L3025-3236 | 3.2-3.6 GHz | 30 | 45 | | |
| L3025-3239E | 3.2-3.9 GHz | 30 | 41 | | |
| L3025-4450 | 4.4-5.0 GHz | 24 | 39 | | |
| L3025-4854E | 4.8-5.4 GHz | 30 | 45 | | |
| L3025-5459 | 5.4-5.925 GHz | 26 | 41 | | |
| L3025-6368 | 6.3-6.8 GHz | 38 | 53 | 168 (H) x 65 (W) x 25 (D) (6.1" x 2.6" x 1") | 300 g (0.66 lbs.) |
| L3025-6469 | 6.425-6.960 GHz | 38 | 53 | | |
| L3025-6471 | 6.424-7.125 GHz | 38 | 53 | | |
| L3025-6875 | 6.8-7.5 GHz | 38 | 53 | | |
| L3025-7074* | 7.0-7.4 GHz | 22 | 25 | | |
| L3025-7277 | 7.25-7.75 GHz | 38 | 53 | | |

NOTE: Other bands are available; contact us with your requirements.
*Only used with MDR system.

