

CL-NODE

The Connected Live series node (CL-Node) is a powerful IP based bidirectional radio, optimised for video streaming over RF when combined with our CL-RTX unit. The OFDM dual-band radio combines the simplicity of a plug-and-play device that supports the IEEE 802.11 wireless standards with the flexibility, customisation, and robustness of a traditional COFDM radio camera. Licenced frequency bands and fixed modulation schemes can be used to ensure link strength and optimal radio performance, while network transparency allows for seamless integration in an existing network infrastructure.

Advanced network features (i.e. VLAN, Static Routes, Port Forwarding, Local DNS hosts to name a few) allow advanced users to utilise the radio for even the most complex and demanding applications. In parallel, variable user level permissions and recallable profiles allow the end-user to be in control over the complexity they are exposed to and facilitate a faster and easier deployment of a fleet of nodes to expand the operating zone of your Connected Live ecosystem.

Key Features:

- Dual band 2x2 MIMO radio at **2.4GHz and 5GHz** that can be used in both bands simultaneously
- Frequency tuning in both **licenced and licence-free bands**
- Dynamic modulation scheme selection based on the environment and link quality
- Option for a fixed modulation scheme to prioritise RF robustness over bitrate
- External power 9-36 V or **PoE power**
- **Transparent IP trunk** and advanced networking
- **IP65** rated connectors
- Build-in media converter to allow for a network over fibre connection
- User-friendly UI



T: +44 (0)1293 541 200

E: sales@videosys.tv

W: videosys.tv

The information contained in this document is the property of VideoSys Broadcast Ltd. This document and the information contained herein is provided for evaluation purposes only and is subject to change without notice. VideoSys Broadcast Ltd assumes no responsibility for errors that might appear in this document and gives no representations or warranties as to the accuracy of the information contained herein, including but not limited to the suitability and performances of the product or its intended application.

Technical Specification:

Connectors

RF Transceiver Ports	2 x N-type [f] (IP65 rated)
Ethernet	1 x RJ45 with PoE in (Neutrik etherCON IP65)
Power Input	5way Binder Connector (IP65 rated)
Fibre Input	LC to LC Fibre Optic Connector (IP65 rated)

RF Capabilities

Wireless Standard	802.11 a/b/n/ac/ax
Output Power	Up to 22dBm per RF transceiver
Frequency Band	2100 MHz to 2600 MHz and 4400 MHz to 6200 MHz
Channel Bandwidth	5, 10, 20, 40, 80 MHz for 5GHz range 20, 40 MHz for 2GHz range
Modulation Scheme	Up to 1024QAM
Data Bitrate	Up to 1.2Gbps at 5GHz range - 80MHz channel Up to 0.5Gbps at 2GHz range - 40MHz channel

General

Input Voltage	9 - 36 V (reverse polarity protected)
Power Consumption	6 W
Dimensions	W 160mm x D 73.5mm x H 134mm
Weight	0.78kg

Technical Specification:

