

CL-RTX

The standalone camera-back of the Connected Live product line (CL-RTX) enables wireless forward path video, return video, and camera control in a single unit. The device combines a new proprietary OFDM bidirectional data radio with an integrated encoder and decoder that support 10-bit HDR video up to 1080p60 frame formats.

With our well-known camera control integrated in the unit, the CL-RTX can cater for the demanding requirements of modern live productions. IP trunk transparency, advanced network configurations, 2 full size RJ45 ports (with PoE out provided on one), and flexible RF configurability add an additional layer of functionality that will suit more demanding users. Simultaneously, a range of user levels and recallable configurations from files allow the end user to choose the level of complexity that is required, and ensure quick and effortless deployment.

Key Features:

- **HD HDR 10-bit 4:2:2** encoder and decoder
- **Bidirectional video** transmission
- SDI out configurable for either SDI in loop or decoder output
- **Return video switchable**
- **Integrated camera control** for all major manufacturers (Serial and Ethernet cameras supported)
- **Dual band radio** at **2.4GHz** and **5GHz** that can be used in **both bands simultaneously**
- Frequency tuning in both licenced and licence-free bands
- **Transparent IP trunk** with 2 available full-size RJ45 ports on the unit
- **PoE out** available to power external devices
- **Remote control** of the unit from anywhere on the Connected Live network



Technical Specification:

Connectors

RF Output	2 x N-type [f] (or 2 x SMA [f])
Video Input	BNC (12G rated for future development of 4K)
Video	BNC (12G rated for future development of 4K)
Analogue Audio Input	0B Lemo for future development
Camera Control	10-pin Hirose (or ethernet)
Tally Output	5-way 0B Lemo
Power Input	4-way 0B Lemo
Ethernet	2 x RJ45

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

Video & Audio

Digital Audio Input	SDI de-embedding
Video Formats	Up to 1080p60 formats (automatic detection)
Video Encoders	H.264

General Specifications:

Input Voltage	9 – 36 V (reverse polarity protected)
Power Consumption	19 W
Dimensions	W 90mm x D 94.3mm x H 167mm
Weight	0.95kg

Available accessories & add-ons (optional)

Anton Bauer or IDX Battery Plates
Licence – 4K Encoding (Future)
Camera Control manufacturer licences

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