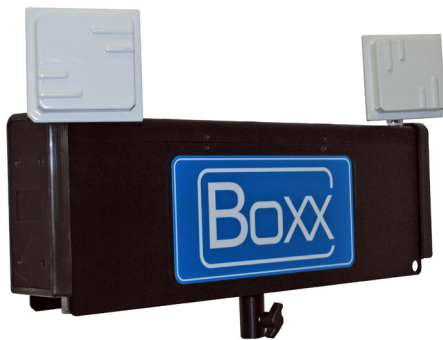# ZENITH

Low Latency Compressed HD Wireless

The Zenith wireless system is designed for ENG and HD real-time productions where range and signal reliability are essential. In its basic configuration the system transmits an H.264 compressed signal up to 800m over WiFi within the 5GHz licence-exempt spectrum.

Where the requirement is for a higher range or for a signal to navigate around impenetrable objects, the unique networking capability of Zenith comes into its own by deploying any number of inexpensive transceiver nodes in order to provide for an effective unlimited range.

Zenith is fully configurable via a web interface and signal quality can be monitored and tweaked in real-time on any portable IP device (Laptop, smartphone etc). Zenith provides a scalable modular solution allowing adopters to tailor a system to budget and performance requirements.

FEATURES

- Range from camera-mounted transmitter up to 800m out-of-the-box and 20km point-to-point with optional antennas
- 1 - 40Mb encoding bitrate
- Secure encrypted transmission
- LED signal strength meter on transmitter
- Integrated IFB and optional tally and iris control
- 2 Frame latency
- Comprehensive web interface for configuration and performance monitoring

SPECIFICATIONS

	Transmitter	Broadcast Receiver
Latency:	60 milliseconds (2 frames)	
Range:	Up to 800m (camera back transmitter) Up to 20km (point-to-point)	
Video Input/Output:	HD-SDI	
Format:	up to 1080 60p (3G)	
Audio Input/Output:	2 channels embedded	
Channel Selection:	Auto or manual selection	
Compression Method:	H.264	
RF Power Output:	Up to 350mW adjustable	N/A
Modulation:	OFDM	
Bandwidth:	5 - 40MHz	
Frequency:	5.1 - 5.9GHz licence-exempt band (other channels available on request)	
Antenna Ports:	1 x TNC	2 x N-type
Firmware:	Upgradable via web interface	
Size & Weight:	190mm x 100mm x 35mm, 835g	410mm x 160mm x 70mm, 2.2kg
Temperature Range:	-5º to 50º C	
Power:	9-36V via 4-pin Hirose or Anton Bauer/V-lok Battery Plates	9-36V via 4-pin XLR
Mounting:	1/4 inch spigot	light stand spigot or U1 rack mount