



# MERIDIAN

## Broadcast Receiver

The Meridian wireless microwave broadcast system is designed for high quality, zero delay HD and SD live transmission offering an affordable alternative to traditional COFDM systems.

Meridian broadcast receivers use an array of 5 receive antennas to enhance performance and reliability. With a range of accessories developed for performance and flexibility, this receiver can be tailored to meet a variety of production requirements. The Meridian receiver is ideal for sporting arenas, stage and studio productions, and live-to-air broadcasts.

### Standard Features

- Zero frame latency (<1 millisecond)
- 5.1-5.9GHz license exempt band
- Extremely high quality 4:2:2 video transmission
- Embedded time code transport
- Manual or automatic channel select
- Switch between multiple cameras
- Secure encrypted transmission in unicast mode
- Simultaneous HD down-converter/scaler
- Signal strength meter on each antenna

### Options

- Daisy-chain multiple receivers to increase range and coverage
- Operator Control Panel (OCP)
- Tally light relay – preview/programme
- Built-in spectrum analyser
- Genlock

### Specifications

Latency:	<1 millisecond / 1 frame when Genlocked
Video Output:	SDI, HDSDI, component SD/HD, composite
Format:	SDI-SMPTE, PAL, NTSC. HDSDI-SMPTE up to 1080i
Audio Output:	Embedded and 2 channels balanced analogue line level
Down-converter:	Any HD format simultaneously converted to PAL or NTSC
Time Code:	Embedded time code transported over link
Transmission Method:	Pixel Prioritisation Protocol
Modulation:	OFDM
Bandwidth:	20MHz
Frequency:	5.1-5.9GHz
Antennas:	7 antenna array. 5 receive, 1 spectrum analyser, 1 return data
Security:	256 bit encryption AES in unicast mode
Firmware:	Upgradable via USB port
Range:	Up to 200+ metres line of sight
Channel Select:	Automatic or manual
Control:	Configuration via LCD touch pad or USB
Power:	6.5 -18V DC, 4 pin XLR, 9 Watts
Antenna Ports:	N-type
Temperature Range:	-5° to 50° C
Mounting:	Light stand spigot or 1 unit rack mount
Made in:	United Kingdom



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