

# ABonAir

Live Excitement. Wirelessly!



## AB612™ 4K - UHD, HDR WIRELESS VIDEO LINK

**4K**  
**ULTRA HD**



### EXCITING SPORT MOMENTS HAVE NEVER BEEN SO LIVE:

- 4K 60P, HD - 4:2:2, 10 bit
- HDR
- For live event coverage and multi-camera production
- High-picture quality: H.265 CODEC (+50 db PSNR)
- Single-zone and multi-zone upgradable Fiber Coverage Extender (FCE) support.
- Seamless roaming between different zones without losing a pixel!
- CCU / RCP / PTZ (camera control unit) - Support Sony, Panasonic, ARRI, Ikegami, Grass Valley, Hitachi, Canon and more
- Wide coverage distance: up to 1 mile / 1.5 km per zone with directional antennas in Receiver
- Unlicensed frequency
- Bi-directional radio with per pixel acknowledgement
- Automatic channel selection
- Superior coverage utilizing MIMO and fiber-based antenna
- Loop through





## BROADCAST 4K WIRELESSLY!

The AB612 is a feature-rich 4K and HD wireless video link for professional broadcasters. It relies on a lightweight wireless transmitter and a 1U receiver. Thus, allowing the camera teams to wirelessly transmit 4K video directly from the camera to the media centers or OB trucks.

The AB612 utilizes a wireless optimized H.265 CODEC that ensures a broadcast-level picture quality. In addition, ABonAir's bi-directional radio technology between Transmitter and Receiver allows steady, robust and highly accurate video links as each and every pixel is acknowledged by the Receiver.

Additional features like full HDR support, Tally light, CCU and PTZ, make the AB612 system the best solution for any professional 4K and HD broadcast.

The AB612 is perfect for sports, large open arenas as well as small /medium arenas, studios (such as as reality show productions), news (OB trucks, DSNG, and DENG vans), live events (stadium concerts and street events) as well as house of worship live broadcasts.

## SPECIFICATIONS

### VIDEO

VIDEO INPUT	12G-SDI, HDMI 2.0
VIDEO FORMATS	4K   1080p   1080i
HDR	HDR10, HDR 10+, 10 bit
FRAME RATES	60, 59.94, 50, 30, 29.97, 25, 24, 23.94
CODEC ENGINE	H.265 4:2:2, 10 bit
LATENCY	35 msec

### RADIO

MODULATION MODES	OFDM: BPSK   QPSK   16QAM   64QAM
FEC	1/2   2/3   3/4   5/6   7/8
FREQUENCY RANGE	5GHz band — 4.9-5.875 Ghz , others available
TRANSMIT POWER	Adjustable 50-350mW
ANTENNA CONNECTOR	N-type
RECEIVER CONNECTION TO FCE	DUPLEX FIBER: single mode or multi mode
ENCRYPTION	AES-128

### AUDIO

SAMPLING RATE	Embedded SDI @ 48K Hz
CCU/RCP	Supported CCU / RCP camera vendors: Sony, Panasonic, ARRI, Ikegami, Grass Valley, Hitachi, Canon and more  RS422/RS485: bi-directional full duplex data link @ 1 Mbps  Supports PTZ Robotic Camera Control (Pan-Tilt-Zoom)

### POWER SUPPLY

VOLTAGE	10V-17V DC
TRANSMITTER POWER CONSUMPTION	20W

### TRANSMITTER MECHANICAL

SIZE	16cm×9cm×2.5cm
WEIGHT	350 grams
HUMIDITY	95%
BATTERY MOUNTING	Hot Shoe, V-Lock or Gold Mount

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