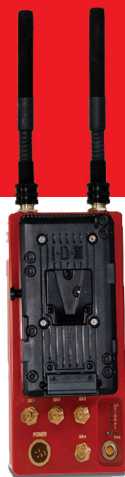




AB612™:
4K - UHD, HDR
WIRELESS
MICROWAVE
TRANSMISSION
SOLUTION

4K
ULTRA HD



EXCITING SPORT MOMENTS HAVE NEVER BEEN SO LIVE:

- 4K-UHD – 4096 X 2160
- For live event coverage and multi-camera production
- High-picture quality (+52dB PSNR): With new revolutionary H.265 CODEC technology
- Superior coverage utilizing MIMO and fiber-based antenna
- Full resolution supports: 4Kp60, 4Kp50, 1080p60, 1080i60, 1080p50, 1080i50
- Single-zone and multi-zone upgradable Fiber Coverage Extender (FCE) support.
- Seamless roaming from one coverage zone to another without losing a pixel!
- Supports Sony, Panasonic, Ikegami, Grass Valley and Hitachi Camera Control Units (CCU/RCP) and PTZ
- Upgradable Intercom and IFB using the same RF channel
- Wide coverage distance: up to 1500 feet/ 500 meters per zone
- Unlicensed frequency
- Bi-directional radio with per pixel acknowledgement



BROADCAST 4K WIRELESSLY!

The ABonAir AB612™ is the perfect choice for signature sports and live events coverage.

ABonAir's AB612™ enables camera teams to wirelessly transmit 4K video directly from cameras to media centers or OB trucks.

Built on ABonAir's bi-directional radio channel between transmitter and receiver, the AB612™ acknowledges every packet of pixels in 4K and HD.

The AB612™ supports ABonAir's Fiber Coverage Extender (FCE) which enables real time multi-zone coverage of any venue (e.g. football and soccer - playing field, locker room, tunnel and audience) or simultaneously on completely separate sites (e.g. football stadium, basketball arena and swimming pool) all via fiber cables with unlimited range.



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SPECIFICATIONS

VIDEO

VIDEO INPUT	4x3G-SDI 3G-SDI
VIDEO FORMATS	4K 1080p 1080i
FRAME RATES	60 59.94 50 30 29.97 25 24 23.94
CODEC ENGINE	H.264
LATENCY	60 msec
RESOLUTION	10 bit

RADIO

MODULATION MODES	OFDM: BPSK QPSK 16QAM QAM
FEC	1/2 2/3 3/4 5/6 7/8
FREQUENCY RANGE	5GHz band — 4.9-5.875 Ghz
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, Ikegami, Grass Valley, Hitachi RS422/RS485: bi-directional full duplex data link @ 1 Mbps Supports PTZ Robotic Camera Control (Pan-Tilt-Zoom)

INTERCOM

TRANSMITTER	Integrated belt pack with IFB output
RECEIVER	Supports 4-wire & 2-wire configurations

POWER SUPPLY

VOLTAGE	10V-14V DC
TRANSMITTER POWER CONSUMPTION	20W

TRANSMITTER MECHANICAL

SIZE	23.5cm×10cm×4cm
WEIGHT	1.1 KG
HUMIDITY	95%
BATTERY MOUNTING	V-Lock or Gold Mount