



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

EXCITING SPORT MOMENTS HAVE NEVER BEEN SO LIVE:

- 4K-UHD, HDR – 4096 X 2160
- Sub-frame delay (7 msec): For live event coverage and multi-camera production
- High-picture quality (+55dB PSNR): With new revolutionary H.265 CODEC technology
- Teleprompter and Video Return support
- Full resolution supports: 4Kp60, 1080p60, 1080i60
- Superior coverage utilizing MIMO and fiber-based antenna
- 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

4K
ULTRA HD





BROADCAST 4K WIRELESSLY!

The ABonAir AB612™ is the world's ONLY 4K 7msec delay wireless broadcast solution, and 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.

SPECIFICATIONS

VIDEO

VIDEO INPUT	12G-SDI
VIDEO FORMATS	4K 1080p 1080i
FRAME RATES	60 59.94 50 30 29.97 25 24 23.94
CODEC ENGINE	H.265
LATENCY	7 msec Sub Frame Delay
RESOLUTION	10 bit / HDR

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 300mW
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
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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)	

TELEPROMPTER AND VIDEO RETURN

TELEPROMPTER	Resolution up to 1080i60
VIDEO RETURN	H.264 compressed video

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



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