



AB4000™ :

PROFESSIONAL 4K WIRELESS VIDEO LINK

ABONAIR INTRODUCES THE BEST 4K/UHD
WIRELESS SYSTEM FOR PROFESSIONAL
VIDEO PRODUCTIONS:

- 4K 60P - 4:2:2, 10 bit
- HDR
- Broadcast level picture quality
- Ultra-low latency
- 300 meters / 1000 ft. range
- CCU / RCP and PTZ support
- Integrated Intercom using the same RF channel
- Loop through
- H.265 CODEC
- Tally light
- Unlicensed 5GHz frequency
- Automatic set-up
- Bi-directional radio with per pixel acknowledgement
- Automatic channel selection



4K
ULTRA HD



THE VALUE PLAY OF 4K PROFESSIONAL GRADE WIRELESS TRANSMISSION

The AB4000 is a feature rich 4K wireless video link for professional broadcasters and cinema productions.

Based on ABonAir's renowned technology used by tier 1 broadcasters and sport production teams over 12 years, the AB4000 includes unique features that no other system has.

The AB4000 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, uninterrupted and highly accurate video link as each and every pixel is acknowledged by the Receiver.

Additional features like full HDR support, built-in Intercom, Tally light, PTZ, CCU, make the AB4000 system the most comprehensive solution one can find.

With a coverage range of 300m / 1000 feet and more, intuitive set-up and configuration the AB4000 is ideal for every professional video production and monitoring at any location.

The AB4000 is perfect for:

Sports – closed arenas as well as small / medium open arenas

Studios – reality show productions

News – OB Vans, DSNG and DENG vans

Live events – stadium concerts and street events

Religion – Houses of Worship live broadcasts

Monitoring – movie and commercial productions

SPECIFICATIONS

VIDEO

VIDEO INPUT	1xHDMI 2.0, 1xSDI 12G
VIDEO OUTPUT	2xHDMI 2.0, 2xSDI 12G
HDR	HDR10, HDR 10+, 10 bit
VIDEO FORMATS	4K 1080p 1080i 720p
FRAME RATES	60, 59.94, 50, 30, 29.97, 25, 24, 23.94
CODEC ENGINE	H.265 4:2:2 10bit
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
TRANSMIT POWER	200mW
ANTENNA CONNECTOR	RP-SMA
ENCRYPTION	AES-128

CCU/RCP	Supported CCU/RCP Camera Vendors: Sony, Panasonic, Ikegami, Grass Valley, Hitachi, Blackmagic
RS232/422/485	RS422/RS485: bi-directional full duplex data link @ 1 Mbps
PTZ	Supports PTZ Robotic Camera Control (Pan-Tilt-Zoom)

AUDIO

SAMPLING RATE	Embedded 48KHz
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INTERCOM

TRANSMITTER	Full Duplex
RECEIVER	Full Duplex

POWER SUPPLY

VOLTAGE	10V-17V DC
TRANSMITTER POWER CONSUMPTION	15W

MECHANICAL

SIZE	16cmx9cmx2,5cm
WEIGHT	350 grams
HUMIDITY	95%
MOUNTING	Hot Shoe, Gold Mount, V-Lock

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