



AB405™:
THE BEST
WIRELESS
MICROWAVE
TRANSMISSION
TECHNOLOGY IS NOW
AFFORDABLE TO ALL

ABonAir's **LEADING TECHNOLOGY**
INCLUDING **BI-DIRECTIONAL ALGORITHM**
FOR **BROADCAST QUALITY:**

- Wide coverage distance up to 750 meters (2500 feet)
- Robust and uninterrupted signal and coverage with Bi-directional radio with per pixel acknowledgement
- Supports Sony, Panasonic, Ikegami, Grass Valley and Hitachi Camera Control Units (CCU/RCP) and PTZ.
- LCD touch display for easy configuration
- Automatic setup for quick and easy installation
- Superior coverage utilizing MIMO OFDM Radio
- Broadcast level high-picture quality (+52dB PSNR) with new revolutionary H. 264 CODEC technology
- Full HD support to 1080p/60, 1080i, 720p
- 7 msec delay for live event coverage and real time video assist
- Unlicensed frequency





THE VALUE PLAY OF WIRELESS BROADCAST

The **AB405** is a wireless broadcast solution that is packed with premier features and capabilities at an affordable price. With a coverage range of 2,500 feet (750 meters) and a low 7 msec delay, the AB405 enables broadcasters to “cut the cord” and add agility and mobility to their live broadcasts.

The **AB405** utilizes a groundbreaking H.264 CODEC which ensures accurate frame encoding at high speeds and excellent picture quality. Every pixel is acknowledged thanks to a bi-directional radio channel between Transmitter and Receiver. The Transmitter that weighs only 350 grams is equipped with a powerful Central Control Unit (CCU) to support camera control parameters remotely during live broadcasts.

The AB405 is perfect for:

Video Assist - Film, advertisement, etc.

Sports - Closed Arenas

News - OB Van, DSNG and DENG Van

Live Events - Stadium Concerts and Street Events

Religion - Live House of Worship Broadcast



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SPECIFICATIONS

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 200mW
ANTENNA CONNECTOR	RP-SMA
ENCRYPTION	AES-128

VIDEO

VIDEO INPUT	HD-SDI / SD-SDI
VIDEO FORMATS	1080p, 1080i, 720p
FRAME RATES	60, 59.94, 50, 30, 29.97, 25, 24, 23.94
CODEC ENGINE	H.264
LATENCY	7 msec

CCU/RCP

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

AUDIO

SAMPLING RATE	Embedded SDI @ 48KHz
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POWER SUPPLY

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

TRANSMITTER MECHANICAL

SIZE	23.5cmx10cmx4cm
WEIGHT	350 grams
HUMIDITY	95%
BATTERY MOUNTING	V-Lock or Gold Mount
MOUNTING	Hot Shoe

