



AB512™: THE ALL NEW 7 MSEC DELAY WIRELESS MICROWAVE TRANSMISSION SOLUTION



EXCITING NEWS AND SPORT MOMENTS HAVE NEVER BEEN SO LIVE:

- Sub-frame delay (7 msec): For live event coverage and multi-camera production
- High-picture quality (+52dB PSNR): With new revolutionary H.264 CODEC technology
- Teleprompter and Video Return support
- Full resolution supports: 1080p (up to 60 fps), 1080i, 720p, NTSC, PAL
- 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 3,000 meter per zone
- Unlicensed frequency



LIVE EXCITEMENT. WIRELESSLY!

ABonAir's AB512™ wireless video system enables camera teams to wirelessly transmit video directly from cameras to media centers or OB trucks.

Built on a bi-directional radio channel between transmitter and receiver, ABonAir's systems acknowledge the correct acceptance of each group of pixels, thus providing exceptionally robust and reliable transmission.

The AB512™ supports ABonAir's Fiber Coverage Extender (FCE) which enables connection of a single receiver to multiple FCEs in various sites (e.g. horse racing tracks – race track, stables and the winning circle) or even on completely separate sites (e.g. football stadium, basketball arena and swimming pool) all via fiber cables with unlimited range.

SPECIFICATIONS

VIDEO

VIDEO INPUT	3G-SDI HD-SDI SD-SDI CVBS
VIDEO FORMATS	1080p 1080i 720p NTSC PAL
FRAME RATES	60 59.94 50 30 29.97 25 24 23.94
CODEC ENGINE	H.264
LATENCY	7 msec Sub Frame Delay

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

ANALOG INPUT	Mic/+48v Mic/line stereo pair
ANALOG RANGE	-60dBm — +18 dBm
SAMPLING RATE	Analog or embedded SDI @ 48KHz

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)
---------	---

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	10-15W

TRANSMITTER MECHANICAL

SIZE	23.5cm×10cm×4cm
WEIGHT	1.1 KG
HUMIDITY	95%
BATTERY MOUNTING	V-Lock or Gold Mount
TEMPERATURE	-10° - 45°c



17 Atir Yeda St. Kfar Saba, 4464313, Israel

Headquarters +972.9.744.0055 USA +1.770.298.5777

info@abonair.com | www.abonair.com