



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
- 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
- Bi-directional radio with per pixel acknowledgement



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 Extension (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.



17 Atir Yeda St. Kfar Saba, 4464313, Israel
Headquarters +972.9.744.0055 **USA** +1.408.675.5443
 info@abonair.com | www.abonair.com

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 | Sub Frame Delay 7 mSec |

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 |
| TRANSIT 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 |
| 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 | 10-15W |

TRANSMITTER MECHANICAL

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