

# ABonAir

Live Excitement. Wirelessly!



**AB512**  
**AB507**  
**AB405**  
**FCE**  
**Intercom Kit**  
**Multi-Zone**

#### Our Customers:

- Sport Stadiums
- TV Stations
- News Broadcasters
- Production Companies
- Rental houses
- System Integrators

#### Applications:

- Electronic News Gathering (ENG)
- Sport events
- Reality shows
- Video Assist

#### Key Features:

- Sub Frame 7 msec delay
- High-picture quality (+52dB PSNR)
- New revolutionary H.264 CODEC technology
- Full resolution supports: 1080p (up to 60 fps), 1080i, 720p, NTSC, PAL
- Superior perimeter coverage utilizing MIMO and fiber based antenna.
- Bi-directional radio with per pixel acknowledgement
- Seamless roaming from one coverage zone to another without losing a pixel!
- Sony, Panasonic, Ikegami, Grass Valley, Black Magic and Hitachi CCU/RCP and PTZ.
- Integrated Intercom and IFB
- 3,000 meters / 1,875 miles per zone
- Unlicensed frequency



ABonAir's products is a family of Microwave Wireless Camera Link systems enabling camera teams to send video content, directly from a camera to an OB van and over the air, without complex and time-consuming cable setting.

ABonAir's unique bi-directional links ensure that not even a single pixel is dropped while broadcasting. Our unique technology enables us to provide exceptionally robust and reliable wireless video links at unmatched

prices. ABonAir's Re-transmit algorithm guarantees zero errors, while additional algorithms assure high availability and 100% reliability.

ABonAir's unique algorithms achieve unmatched picture quality, stability and range. Built on ABonAir's video streaming technology with its re-transmit algorithm, continuous bitrate adaptation mechanism, and a set of unique enhancement algorithms (including: buffer management, variable CBR®, Flexrate®, Superframe).

	AB405	AB507	AB512 portable	AB512 1U
<b>Key Features</b>	<b>Price</b>	<b>7msec</b>	<b>Intercom+ CCU +Tally</b>	<b>FCE+Intercom+CCU +Tally</b>
<b>Suitable for</b>	<ul style="list-style-type: none"> <li>Professional budget productions</li> <li>Video Assist</li> <li>Closed arenas</li> <li>ENG Vans</li> </ul>	<ul style="list-style-type: none"> <li>News</li> <li>Live shows</li> <li>Indoor stadiums</li> </ul>	<ul style="list-style-type: none"> <li>Small sized OB vans</li> </ul>	<ul style="list-style-type: none"> <li>Local to Wide area production</li> <li>Multi camera</li> <li>Remote production</li> <li>OB-Truck</li> </ul>
<b>Distance (Regular Ant.)</b>	500 m	500 m	750 m	750 m
<b>Distance (Special Ant.)</b>	750 m	1000 m	3000 m	3000 m
<b>CCU/RCP Sony, Panasonic, Ikegami, GV, Black Magic, Hitachi</b>	-	-	Yes	Yes
<b>Low delay mode</b>	33 msec (7 msec by FW upgrade)	7 msec	7 msec	7 msec
<b>Intercom support</b>	-	-	Yes	Yes
<b>FCE support</b>	-	-	-	Yes
<b>Tally</b>	-	-	Yes	Yes
<b>Rx Antenna</b>	5 dbi	9 dbi	9 dbi	9 dbi
<b>Tx power</b>	200 mw	200 mw	300 mw	300 mw
<b>HD-SDI inputs</b>	1	1	1	1
<b>HD-SDI outputs</b>	1	2	2	2
<b>CVBS in/out</b>	-	-	1	1
<b>Embedded Audio</b>	Yes	Yes	Yes	Yes
<b>Line Audio</b>	-	1	2	2
<b>Microphone Audio</b>	-	-	2	2
<b>48V Mic. Power</b>	-	-	Yes	Yes

### FCE

ABonAir's Fiber Coverage Extender facilitates the coverage of complex live events taking place in very large venues or within dispersed multiple zones. The FCE enables the installation of the Receiver at the control center or the OB truck, far from the antenna array positioned on the field.

### Multi Zone

The Multi-Zone SW upgrade transfers ABonAir's system from a Single Zone system into Multi Zone perimeter system that can support up to 256 FCEs and 512 Antennas. This revolutionary technology enables the coverage of live events on dispersed locations found on one large venue like university campus. Each zone is covered by an FCE, and all are connected to a main single Receiver

### Intercom Kit

The Intercom Kit will upgrade the AB512 system to support intercom and IFB for cameraman and talent alike. ABonAir's systems are the only one supporting integrated Intercom for communication between the cameraman and the director on the same RF channel as the video content. ABonAir's system does not require an additional RF channel allocation for the Intercom or additional equipment support. This reduces cost, setup time and frequency usage.