



**LIVE  
EVENT  
COVERAGE**



**LIVE  
BREAKING  
NEWS**



**LIVE  
SPORT  
COVERAGE**

## AB500-MVP<sup>TM</sup> 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 AB500-MVP™ system package 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 AB500-MVP™ 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.



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## 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)
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### 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