



**AB512™-XR:
LONG RANGE
WIRELESS
MICROWAVE
TRANSMISSION
SOLUTION**

**THE BEST OF TWO WORLDS: THE
LONGEST RANGE WITH THE BEST SUB-
FRAME DELAY**

- Point-to-Point range of 10 miles / 16 km
- High-picture quality (+52dB PSNR): With revolutionary H.264 CODEC technology
- Full resolution supports: 1080p (up to 60 fps), 1080i, 720p, NTSC, PAL
- Single-zone and multi-zone upgradable Fiber Coverage Extender (FCE) support.
- Upgradable Intercom and IFB using the same RF channel
- Unlicensed frequency



LONG RANGE, LIVE EXCITEMENT. WIRELESSLY!

The advanced ABonAir wireless video system is now available for long range! This point to point system offers a solution where a video connection link of few miles is required and setup time is short. This extended range solution does not compromise with the remarkable sub frame delay of 7 msec!

Utilizing a long range directional antenna, the point-to-point wireless transmission is now available for a distance of 10 miles / 16 km! All these while maintaining all the benefits of the ABonAir's system: bi-directional video link, high picture quality, CCU, integrated intercom and much more.

ABonAir's AB512TM-XR is a great solution for out of studio production and OB vans where direct connection from production site to the media center is required.

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

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