

BROADCAST COFDM HD VIDEO TRANSMITTER MODEL: CAML-H.264-TX



The wireless digital video transmitter was designed for use with both HD and SD cameras, it's an innovative product of wireless HD links for advanced and professional electronic news gathering, television outside broadcasts and studio applications. It adopts the latest COFDM (Coded Orthogonal Frequency Division Multiplexing) modulation technology and H.264 encoding that complete video audio transmission in high-speed motion and NLOS (non line of sight) conditions with low delay.

MAIN ADVANTAGES

- Dual V mounts, one for camera mounted and another for Li-battery powered;
- Convenient to be carried and installed;
- COFDM modulation and H.264 video compression;
- Great security by AES encryption;
- Modular design and highly integrated;
- Full HD resolution, 1080i/P @60fps;
- Adjustable working frequency, LCD board displays the working frequency;
- Stable signal transfer in NLOS and high speed moving.
- SNMP, web interface and LC display indicator.



GENERAL CHARACTERISTICS

PARAMETERS	
Working voltage V	DC11~16V
Working current A	1.9A@DC12V
Frequency	300-4400MHz(option), choose 100MHz space
Bandwidth	2/2.5/4/8MHz(adjustable), 4/8MHz is for HD system
RF Power output	3-5W (adjustable)
SHG	>52dBc
Modulation	COFDM
Encryption	AES user-defined password
Constellation	QPSK,16QAM,64QAM optional
FEC	1/2,2/3,3/4,5/6,7/8 optional
Carrier	2K,8K
Guard Interval	1/32,1/16,1/8,1/4 optional
Flatness	Full band≤2dB, 8MHz≤0.5dB
Video input	HD-SDI
Max speed rate	450km/h
Audio channel	Stereo L/R audio channel
Audio encoding	MPEG1 Layer2
Video resolution	Minimum 1280*720 50i Maximum 1920*1080 60P
Video coding	H.264 (H.265 optional)
Video bitrate	500kbps-16.68Mbps(auto-adaptation)
Format	YcbCr4:2:2
Working Temperature	-25°C ~55°C
Storage Temperature	-40°C ~70°C
Dimension	APRX. 180*85*110mm
Weight	APRX. 1.6kg