



CTxx30MH COFDM Transmitter



> Applications

- Wireless SD/HD Transmission for DENG (Digital Electronic News Gathering)
- OB Applications
- Live Events

> Features

- 1 W output power (depending on Frequency)
- MPEG 2 and H.264 Encoding
- Low Power Consumption
- One-Frame Latency (Mode Dependent)
- COFDM 2k Transmission
- Rugged and Lightweight Design
- Camera Dockable with Brackets
- Anton Bauer- / IDX- / PAG-Battery Mount
- Frequency Range 1GHz to 7.4 GHz (Subdivided)

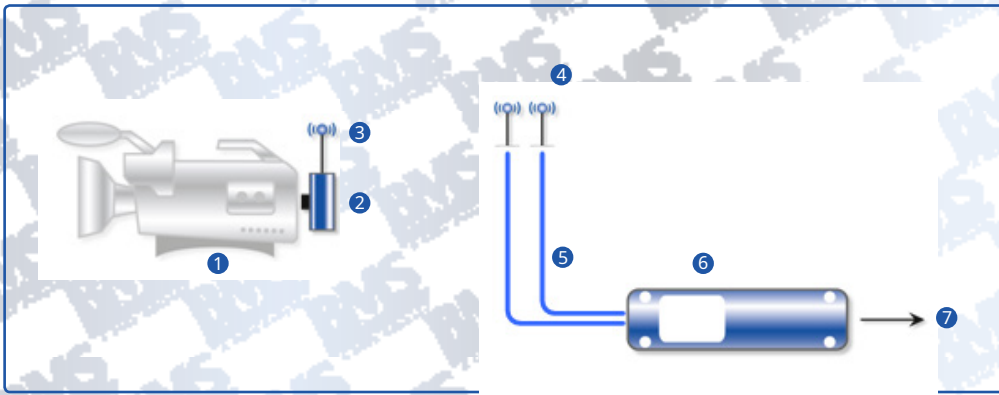
> Performance

The BMS CT Transmitter converts any HD production camera to a free-roaming wireless configuration. Wireless operation gives the camera operator the freedom to frame the best, most creative shots.

Selectable MPEG2 or H.264 encoding, provides optimum performance in any situation.

COFDM modulation supports various operational needs ranging from mobile urban and rural environments, to live events and newsgathering.

BMS solutions dependably deliver stable, robust and long range video transmission.



Description	
1	Camera
2	CTxx30MH
3	TX Antenna
4	RX Antenna
5	HF Cable
6	Diversity Receiver
7	Signal Output

Inputs / Outputs			
BNC (f)	Video in	SD/HD-SDI	75 Ω
BNC (f)	Video in	CVBS (PAL/NTSC)	75 Ω
5pol Lemo	Audio in	2x Analog audio in Line or Mic Level	
	Data in	RS232	
2pol Lemo	DC in	12 to 17.5 VDC	
N (f)	RF out	1 W	50 Ω

Technical Characteristics	
Frequency	1GHz to 7.4 GHz (see ordering info)
Channel Bandwidth	6/7/8 MHz
RF Output Power	max. 1 W (Adjustable: Low - Medium - High)
Modulation	COFDM 2k
MPEG-2 Encoding	<ul style="list-style-type: none"> • MPEG-2 SP@ML • MPEG-2 MP@ML • MPEG-2 SP@HL(HD) • MPEG-2 422 in SD and HD
H.264 Encoding	H.264 SP@LEVEL4.0 H.264 HI422@LEVEL4.0
Video	<ul style="list-style-type: none"> • 1920x1080i (HD) 23.98/24/25/29.97/30/50/59.94/60 fps • 1920x1080p (HD) 23.98/24/25/29.97/30 fps • 1280x720p (HD) 23.98/24/25/29.97/30/50/59.94/60 fps • 525i (PAL) / 480i (NTSC)
Control	Inbuilt display and keyboard configuration and control
Power Input	12 to 17.5 VDC
Consumption	Approx. 19 W
Temperature	- 20°C to +50°C (-4°F to +122°F)
Relative Humidity	5 % to 95 %
Dimensions (W x D x H)	3.4 x 3.4 x 5.8" (8.64 x 8.64 x1 4.75 cm)
Weight	<2.5 lbs. (1.13 kg)

> Supplied Accessories

VLAx03LP	Omni-Directional Antenna, 3dBi
Programming Cable	Used to configure the transmitter
DC Connector	Used to operate the transmitter without a battery
Audio Connector	Input connector
Carrying Case	Foam fitted transit case for transmitter and all accessories
Manual	Operation and Installation



> Ordering Information

CT2030MH	1.95-2.2 GHz, V-Mount or Anton-Bauer
CT2030MH	2.2-2.7 GHz, V-Mount or Anton-Bauer
CT2030MH	2.0-2.5 GHz, V-Mount or Anton-Bauer
CT5730MH	5.7-6.0 GHz, V-Mount or Anton-Bauer
* Contact factory for other frequencies	

