

CTxx30HD 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 encoding
- Low Power Consumption
- One-Frame Latency (End-to-End)
- 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)
- Integrated Camera Remote Control (Option)

> Options

- H.264 Encoding
- Data Return Link for Camera Control

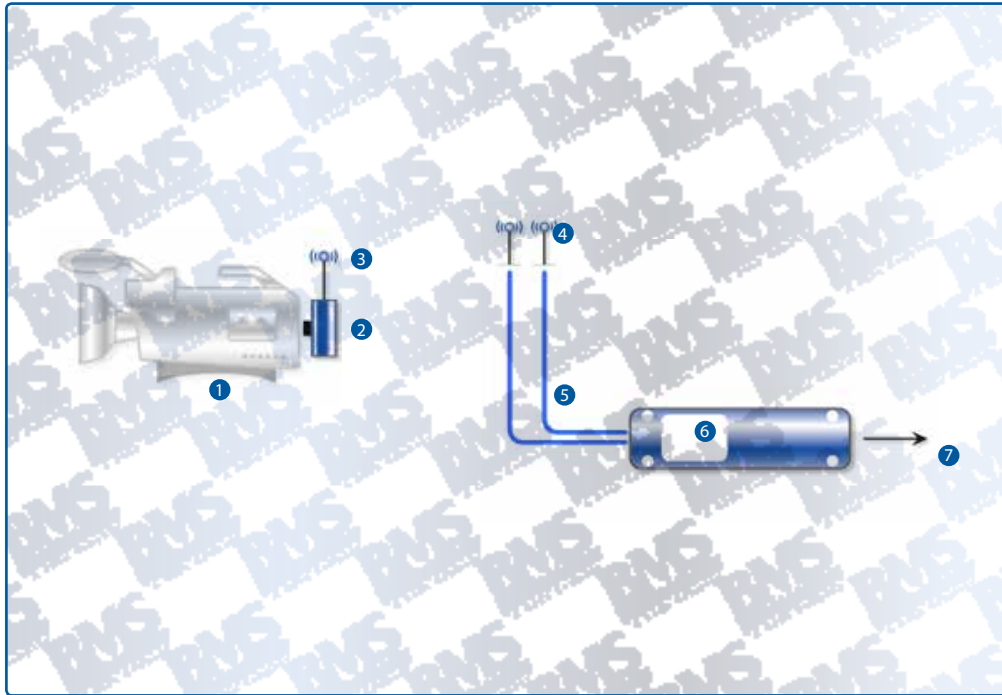
> Performance

The 1W Wireless HD transmitter provides ENG the most freedom for independent operation and provides a complete alternative to a wired HD camera. The CTxx-30HD transmitter is capable of multiple digital modulation formats providing optimum performance in any scenario. Various operational needs ranging from mobile urban and rural environments, for live events and newsgathering BMS solutions delivers stable, robust and long range video transmission components.

BMS systems have unmatched RF flexibility with the ability to operate independent as needed in the field. Models available to cover a huge frequency range from 1GHz to more than 8GHz (in bands).

Experience easy handling and direct access to the most important live-footage parameters for perfect HD transmission.

> CTxx30HD



Description

1	Camera
2	CTxx30HD
3	TX Antenna
4	RX Antenna
5	HF Cable
6	Diversity Receiver
7	Signal Output



> Uniqueness

The CTxx30HD continues to offer unique features in other areas, such as ease of use and remote camera control. An important option is the ability to control a variety of cameras from the original CCU and with every function supported. (Option)

Technical Characteristics

Frequency	1GHz to 7.4 GHz (Subdivided)
Channel Bandwidth	6/7/8 MHz
RF Output Power	max. 1 W (Adjustable on control panel: 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
Video	<ul style="list-style-type: none"> • 1920x1080i (HD) 23.98/24/25/29.97/30 fps • 1280x720p (HD) and 720x576i 23.98/24/25/29.97/30/50/ 59.94/60 fps • PAL / 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 x 1 4.75 cm)
Weight	<2.2 lbs. (1 kg)

Inputs / Outputs

BNC (f)	Video in	SD/HD-SDI	75 Ω
BNC (f)	Video in	CVBS (PAL/NTSC)	75 Ω
BNC (f)	Sync out	Sync for camera	75 Ω
5pol Lemo	Audio in	2 x Analog audio in Line or Mic Level	
	Data in	RS232	
4pol Lemo	Data out	Data for Camera Remote Control	
2pol Lemo	DC in	12 to 17.5 VDC	
SMA (f)	UHF in	UHF Data for Ca- mea remote Control	50 Ω
N (f)	RF out	1 W	50 Ω