

ENC1200: HD Encoder

DESCRIPTION

Digitize and encode virtually any HD video signal for distribution over an IP network in the H.264 high profile format through a REX server, together with crystal clear audio. The ENC 1200 is capable of providing transport stream & real time streaming protocol.



PART #: REA-ENC1200

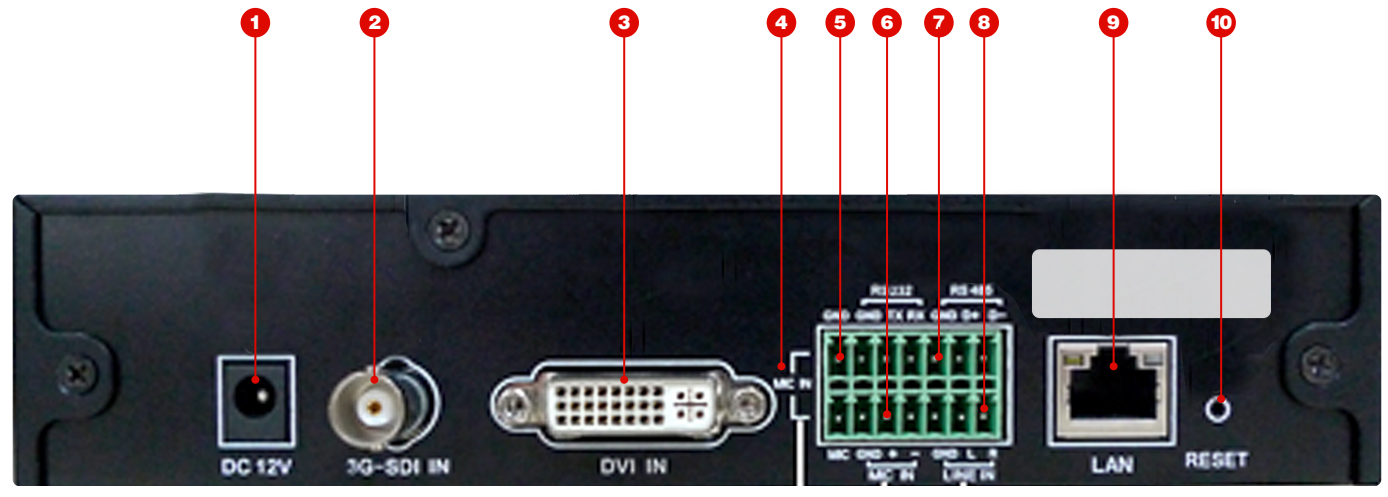
FEATURES

- **HIGH DEFINITION VIDEO** - 720p/1080i/1080p
- **HIGH FRAME RATE VGA CONTENT** - 1 to 30 FPS, resolution up to 1920x1080
- **ENCODING** - Encode video content for distribution over IP network in H.264 high profile
- **LOW DELAY** - Deliver video to PC or other devices with extremely low latency
- **WEB MANAGEMENT INTERFACE** - Support remote management including bandwidth setting, frame rate setting and firmware upgrade
- **BANDWIDTH CONTROL** - Bandwidth range from 128Kbps to 20Mbps
- **MPEG2 TRANSPORT STREAM (TS)** - Unicast/multicast streaming can be received by VLC or other transport stream players.
- **REAL-TIME STREAMING PROTOCOL (RTSP)** - Allows users to connect to the content by many downloadable RTSP players including VLC player.
- **CAMERA CONTROL** Built in serial ports for remote control of camera PTZ and focus control
- **TITLE FUNCTION** - Add titles anywhere on the content with a robust palette of colors and backgrounds
- **SNAPSHOT INDEX** - Generate snapshot index points automatically for simple highlight review

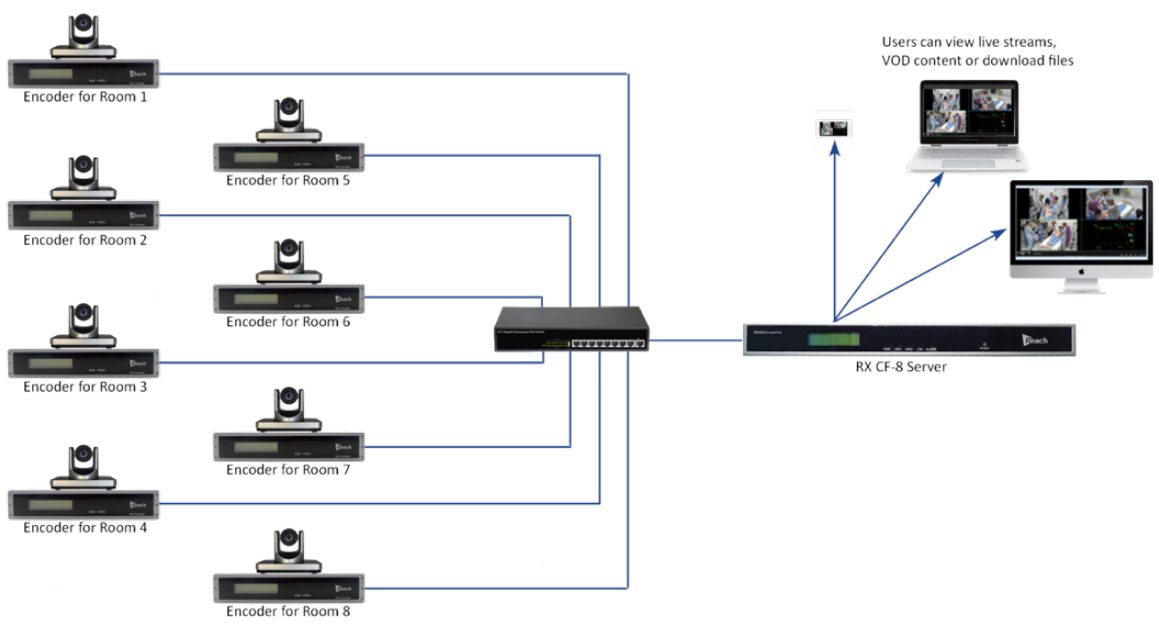
SPECIFICATIONS

Management	Web interface, Reach Encoder Manager, Reach REX Server
3G-SDI Input	1280x720P@50@60 , 1920x1080I@50@60, 1920x1080P@25@30@60
DVI-I Input	640x480@60@72@75@85, 800x600@60@72@75@85, 1024x768@60@75@85, 1280x720P@50 and 60Hz, 1280x720@60@75HZ@85Hz, 1280x768@60, 1280x800@60, 1280x960@60, 1280x1024@60, 1366x768@60, 1400x1050@60, 1440x900@60, 1600x900@60, 1600x1200@60, 1920x1080I@50 and 60FPS, 1920x1080P@25,30,50 and 60FPS
Frame Rate	up to 60fps
Audio Sampling Rate	44.1KHz 48KH
Encoding	H.264 high profile, Audio encoding: AAC
Bandwidth	128Kbps to 10Mbps (adjustable) VBR CBR
Power	120-240VAC brick to DC 12V 3A, 15W
Environment Data	Operating temperature: -20° C to 60° C , Relative humidity: 5% to 95%, Storage and transport temperature: -40° C to 80° C
Physical Dimensions	220.0mm x 221.0mm x 44.5mm (LxWxH)





No.	Component	Description	No.	Component	Description
1	Power Input	DC 12V	6	Mic In	Lo-Z balanced mic input
2	3G-SDI Input	BNC HD video input	7	RS485	RS-485 serial control I/O for camera control
3	DVI-I Input	DVI, HDMI, or VGA HD video input	8	Line In	2 channel unbalanced Hi-Z line input
4	Mic In	Hi-Z unbalanced mic input	9	LAN	RJ45 LAN port
5	RS232	RS-232 serial control I/O for camera control	10	Reset	Resets to factory default settings



RELATED PRODUCTS

Rex Server: A robust multi-encoder server available as:

- CF-8 (8 encoders, 40 concurrent users)
- CF-16 (16 encoders, 80 concurrent users)
- CF-24 (24 encoders, 120 concurrent connections)
- CF-32 (32 encoders, 160 concurrent connections)
- CF-48 (48 encoders, 200 concurrent connections)

ENC120S: VGA encoder
ENC110S: SD encoder
DEC1000: HD/SD decoder