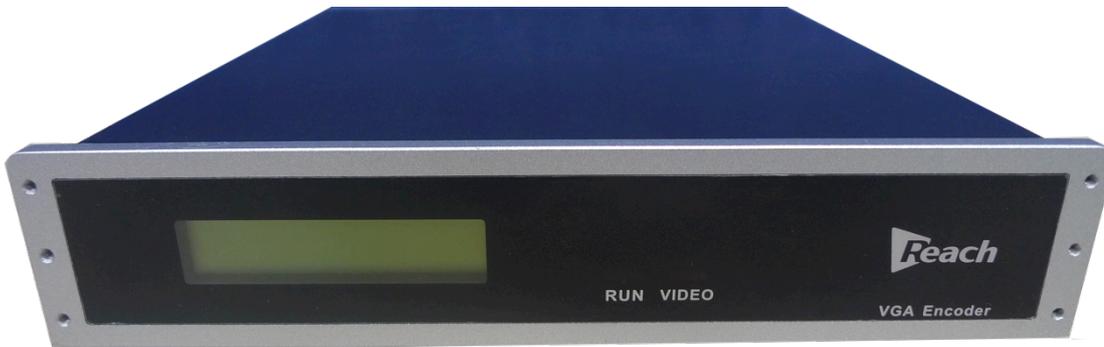# ENC120S VGA Encoder

Utilizing Reach VGA Encoder, your presentation contents from PC, electronic white board, Visualizer and any other VGA signal output device, can be delivered over IP network. With H.264 High Profile encoding algorithm, the ENC120S provides high quality video and crystal clear audio content, all with lower bandwidth utilization.

Features：

☐ **High Frame VGA Content -** 1 to 30 FPS, resolution up to 1600×1200

☐ **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 10Mbps

☐ **Supports 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 like 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：

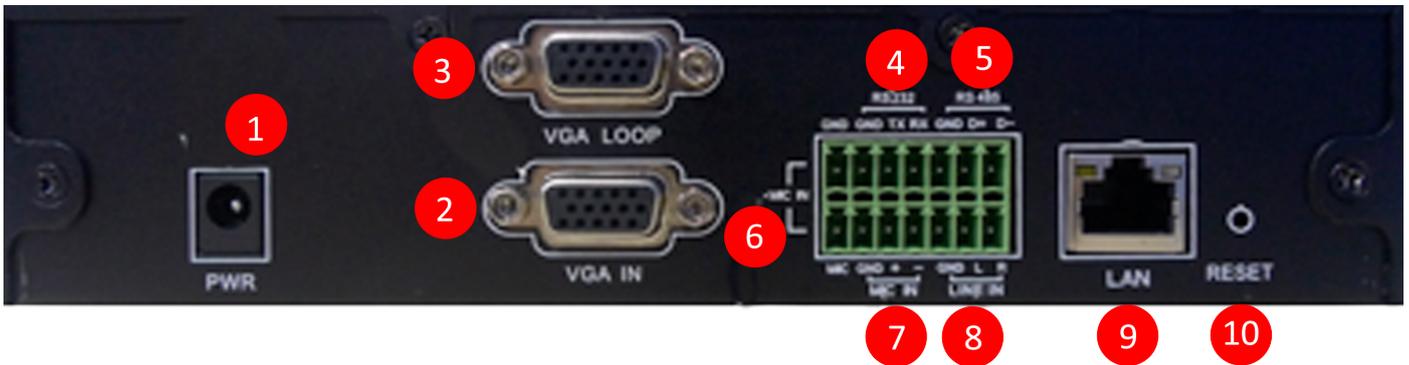|		
Management	Web interface Reach Encoder Manager Reach REX Server	
Definition	640×480 800×600 1024×768 1280×720 1280×768 1280×800	1280×900 1280×960 1280×1024 1366×768 1400×1050 1440×900
Frame Rate	1 to 30 fps	
Audio Sampling Rate	44.1KHz 48KHz	
Encoding	VGA encoding: H.264 High Profile Audio encoding: AAC	
Bandwidth Control	128Kbps to 10Mbps (adjustable) VBR CBR	
Interface	VGA Input: 15-pin Dsub VGA Loop: 15-pin Dsub Audio Input: Phoenix MIC/Line Network interface: 100/1000Mbps (RJ45) Camera Control interface: RS232/RS485	
Power	120-240VAC brick to DC 12V 3A, 15W	
Environment Data	Operating temperature: -20º C to 60º C Relative humidity: 5% to 95% Storage and transport temperature: -20º C to 80º C	
Physical Dimensions	Length×Width×Height: 220.0mm×221.0mm×44.5mm	

Rear Panel:

No.	Connector	Description	No.	Connector	Description
1	Power Input	DC 12V	6	MIC IN	Hi-Z Unbalanced Mic Input
2	VGA Input	VGA Input	7	MIC IN	Lo-Z Balanced Mic Input
3	VGA Loop	VGA Loop	8	LINE IN	Unbalanced Hi-Z Line input
4	RS232	RS-232 Serial Control I/O for Camera Control	9	LAN	RJ45 LAN Port
5	RS485	RS-485 Serial Control I/O for Camera Control	10	Reset	Resets encoder to factory default

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)
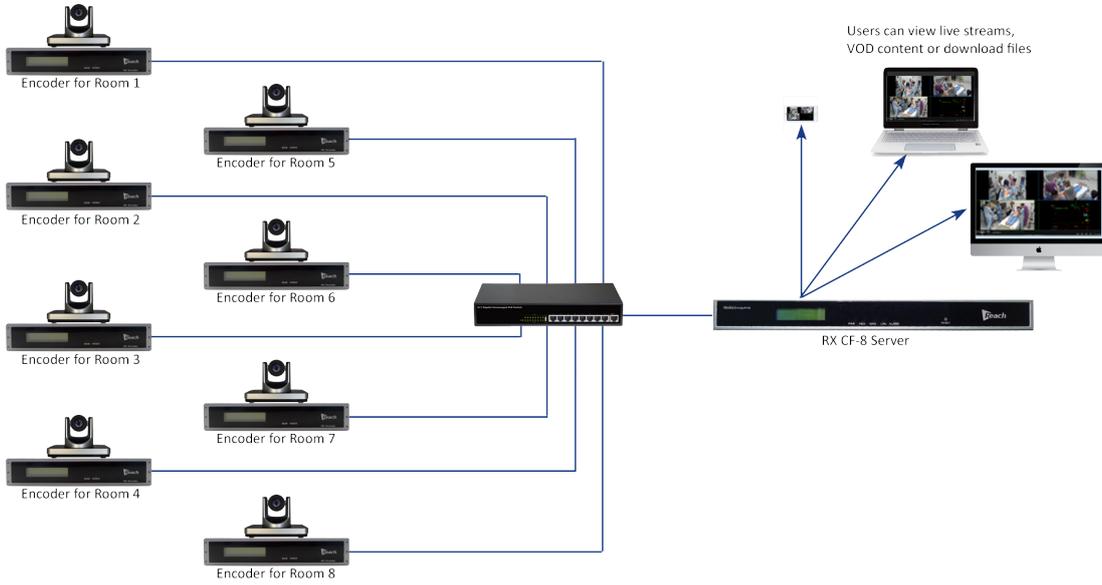
ENC1200S HD Encoder

ENC110S SD Encoder

DEC1000 HD/SD Decoder

Conceptual Flow Diagram

Encoder for Room 1

Encoder for Room 5

Encoder for Room 2

Encoder for Room 6

Encoder for Room 3

Encoder for Room 7

Encoder for Room 4

Encoder for Room 8

Users can view live streams,
VOD content or download files

RX CF-8 Server