



LIBERTY
AV SOLUTIONS

AV CAPTURE, STREAMING AND SHARING
FOR EDUCATION AND ENTERPRISE

- Lectures • Meetings
- Simlabs • Special Events



BEE 8

MSRP \$5,300

KEY MARKETS & APPLICATIONS

Markets

- Corporate
- Higher education
- Houses of worship
- Healthcare

Applications

- Capture meetings, lectures, training
- Webcasting
- Playback (VOD)

Bee 8 (Front)



Bee 8 (Rear)



TALK TRACK

Standalone AV over IP solution to capture, stream, webcast, or playback ANY event such as lectures, meetings, and simulation training. Capture from 3 video sources and playback directly from the Bee 8 or leverage the network and Reach's browser based playback. Includes MediaCenter Lite. No recurring fees.

KEY FEATURES & BENEFITS

- Synchronous capture of up to 3 video sources and 2 channels of audio (MIC or line level)
- Concurrent recording and live streaming
- Robust device, content, and user management (MediaCenter Lite or MediaCenter)
- Browser based delivery, Safari, IE, Chrome (MediaCenter Lite or MediaCenter)
- Webcast with RTMP streaming to your CDN i.e. YouTube
- Redundant storage (configurable): 1 TB of Local Storage, USB interface, FTP, and MediaCenter NAS
- LMS Integration with Blackboard and Moodle (MediaCenter)
- iPad app for local monitoring and control of recording, camera PTZ, and layout
- PPT Push (push presentations live to smart devices)

KEY TECHNICAL POINTS

DVI In 1 and 2

HDMI, DVI, RGBHV, VGA, YPbPr, CVBS, RGBHV and VGA, VGA: up to 1920*1080 DVI: up to 1920*1200, HDMI and YPbPr: up to 1080p

DVI In 3

HDMI, DVI, RGBHV, VGA, YPbPr, RGBHV and VGA: up to 1920*1080 DVI: up to 1920*1200, HDMI and YPbPr: up to 1080p, (no CVBS support)

Encoding

Video: H.264 High Profile, Audio: AAC, Bit rates: 768Kbps, 1Mbps, 2Mbps, 4Mbps

File format

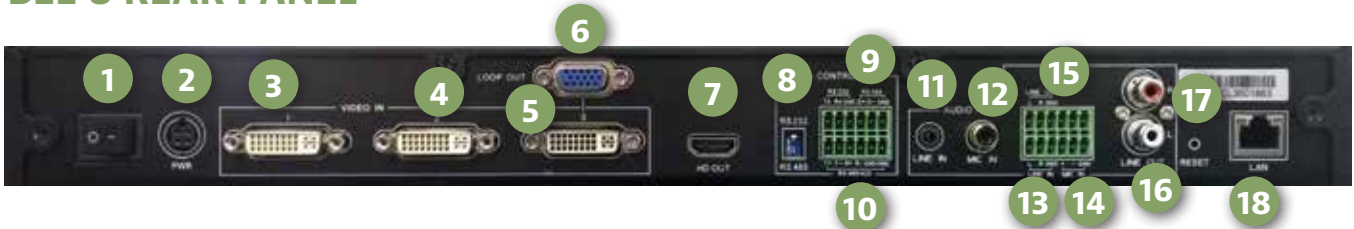
MP4

BEE 8 FRONT PANEL



NO.	COMPONENT	DESCRIPTION
1	LCD	Display system info, IP address, status, etc.
2	Volume Status	Display dynamic audio volume level
3	Input and Status Indicator	Signal Present and System Status LED
4	Record	Start record
5	Pause	Pause record
6	Stop	Stop record or stop playback
7	Playback	Local playback
8	Download	Download files to USB devices
9	USB 2.0 I/O	Connect USB devices
10	Knob	Rotate dial to select file and press to confirm choice

BEE 8 REAR PANEL



NO.	CONNECTOR	DESCRIPTION
1	Power Switch	Power on & power off
2	Power Input	120-240 VAC to DC Brick 12V/10A power input
3	DVI In 1	Video signal input 1
4	DVI In 2	Video signal input 2
5	DVI In 3	Video signal input 3
6	VGA Loop	Analog VGA signal loop for DVI In 3
7	HDMI Out	Local Display
8	RS232/485 Switch	RS232/RS485 switch for camera PTZ control
9	RS232/RS485	RS232 or RS485 camera PTZ control connection (phoenix connector)
10	RS422/RS485	RS422/RS485 External control connection (phoenix connector)
11	Line In 1	2 channel 3.5mm TRS line in
12	Mic In 1 (Unbalanced)	Unbalanced microphone input (Hi-Z)
13	Line In 2	2 channel line in, unbalanced (phoenix connector) (Hi-Z)
14	Line Out 1	Line in loop out (phoenix connector)
15	Mic In 2 (Balanced)	Balanced microphone input (phoenix connector) (Low-Z)
16	Line Out 2	Playback Line Out
17	Reset	Reset to factory default momentary switch
18	RJ-45	Ethernet network connector

BEE 7

MSRP \$6,900

KEY MARKETS & APPLICATIONS

Markets

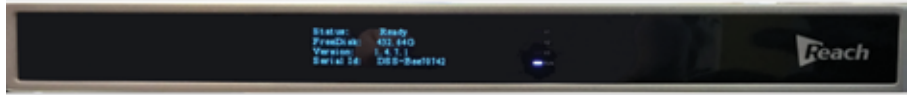
- Higher Education
- Corporate
- Healthcare

Applications

- Capture meetings, lectures, training
- Live streaming *
- Playback (VOD)*

*Requires MediaCenter server

Bee 7 (Front)



Bee 7 (Rear)



TALK TRACK

Ideal for applications in higher education, the Bee 7 is a robust AV over IP, rich media capture appliance. Live or on-demand, **multi-streaming** gives each viewer their chosen mix of sources when playing the content through their browser. No recurring fees.

KEY FEATURES & BENEFITS

- Synchronous capture of up to 2 video sources and one presentation source
- Multi-streaming enables viewer chosen layout, live or on demand
- Concurrent recording and live streaming
- Robust device, content, and user management with MediaCenter
- Browser based delivery for IE, Safari, Chrome with MediaCenter
- 500 GB local storage
- LMS Integration of Blackboard and Moodle with MediaCenter

KEY TECHNICAL POINTS

DVI In 1 and 2

HDMI, DVI, RGBHV, VGA, YPbPr, CVBS, RGBHV and VGA: 640*480 to 1920*1080 DVI: 640*480 to 1920*1200, HDMI and YPbPr: 720p, 1080i, 1080p

DVI In 3

- HDMI, DVI, RGBHV, VGA
- Resolution from 640 x 480 to 1440 x 900

Encoding

Video: H.264 High Profile, Audio: AAC, Bit rates: 768Kbps, 1Mbps, 2Mbps, 4Mbps

File format

MP4

BEE 7 FRONT PANEL



NO.	COMPONENT	DESCRIPTION
1	LCD	Display system info, IP address, status, etc.
2	Input and Status Indicator	Signal Present and System Status LED

BEE 7 REAR PANEL



NO.	CONNECTOR	DESCRIPTION
1	Power Switch	Power on & power off
2	Power Input	120-240 VAC to DC Brick 12V/10A power input
3	DVI In 1	Video signal input 1
4	DVI In 2	Video signal input 2
5	DVI In 3	Video signal input 3
6	VGA Loop	Analog VGA signal loop for DVI In 3
7	RS232/485 Switch	RS232/RS485 switch for camera PTZ control
8	RS232/RS485	RS232 or RS485 camera PTZ control connection (phoenix connector)
9	RS422/RS485	RS422/RS485 External control connection (phoenix connector)
10	Line In 1	2 channel 3.5mm TRS line in
11	Mic In 1	Unbalanced microphone input (Hi-Z)
12	Line In 2/ Mic In 2	2 channel line in, unbalanced (phoenix connector Hi-Z) Balanced microphone input (phoenix connector Low-Z)
13	Line Out 1	Line in loop out (phoenix connector)
14	Line Out 2	Playback Unbalanced Line Out
15	Reset	Reset to factory default momentary switch
16	RJ-45	Ethernet network connector

BEE 9

MSRP \$11,985 - \$39,980

KEY MARKETS & APPLICATIONS

Markets

- Corporate
- Higher education
- Houses of worship

Applications

- Lecture Capture
- Automated production
- Virtualization

Bee 9 (Front)



Bee 9 (Rear)



TALK TRACK

Bee 9 is a recording system created for immersive lecture capture. It automatically tracks the lecturer, and controls cameras and switches views. Presenter "close", presenter "wide", classroom, and the presentation slides are mixed smoothly and intuitively without user input. An experienced production engineer would hope to be as accurate and attentive. No recurring fees.

KEY FEATURES & BENEFITS

- Synchronously captures up to 3 video sources and one presentation source
- Exclusive auto source-switching technology changes shots to create an immersive experience
- Advanced video analytics based auto tracking technology doesn't require wearable beacons
- Direct local playback via HDMI output
- Live streaming over the network or on-demand delivery with MediaCenter
- Robust device, content, and user management with MediaCenter
- Browser based delivery for IE, Safari, Chrome with MediaCenter
- LMS Integration of Blackboard and Moodle with MediaCenter

KEY TECHNICAL POINTS

3G-SDI In

HD signal: 720p, 1080p

VGA In

(DVI-I): up to 1920×1080, (analog): up to 1440×900

Video Encoding

H.264 high profile

File format

MP4

BEE 9 FRONT PANEL



NO.	COMPONENT	DESCRIPTION
1	LCD	Display system info, and, status
2	USB	For connection of USB storage devices
3	RJ45	IP Camera Connection for Presenter tracking camera
4	RJ45	Remote Control Panel Connection (PoE)

BEE 9 REAR PANEL



NO.	CONNECTOR	DESCRIPTION
1	Power Input	AC 100~240V input
2	Power Switch	Power on/off
3	HD-SDI 1	Presenter Close-Up camera input
4	HD-SDI 2	Classroom Wide-Shot camera input
5	HD-SDI 3	Presenter Wide-Shot camera input
6	VGA Loop	Reserved for future use
7	DVI-I	Presentation Content input
8	HDMI Out	Program Video output
9	HDBaseT	Reserved for future use
10	Audio In 1	Reserved for future use
11	Audio In 0	Audio input
12	Audio Out	Reserved for future use
13	RS232/RS485 Switch	Reserved for future use
14	RS232	Reserved for future use
15	RS232	RS232 camera PTZ control
16	Reset	Reset to factory default settings
17	Ethernet	LAN port, network connection

REX SERVER

MSRP \$15,980 – \$39,980

KEY MARKETS & APPLICATIONS

Markets

- Healthcare
- Medical Schools (Teaching Hospitals)

Applications

- Simulation Labs

REX (Front)



TALK TRACK

REX synchronously captures up to 8 HD sources “PER ROOM” (data or video) by 6 “ROOMS” for a total of 48 sources per REX server. Distributed architecture and multi-streaming render a viewer-chosen mix of up to 8 sources **live or on demand**. When you need to know absolutely everything that happened this is it. Ideal for simulation labs. No recurring fees.

KEY FEATURES & BENEFITS

- Captures and records up to 8 SD, VGA, or HD inputs for each session
- Supports a maximum of 48 recorded sessions
- Multi-streaming enables viewer chosen layout, live or on demand
- Concurrent recording and live streaming
- Robust device, content, and user management with MediaCenter
- Browser based delivery for IE, Safari, Chrome with MediaCenter
- LMS Integration of Blackboard and Moodle with MediaCenter

KEY TECHNICAL POINTS

Input

Distributed architecture, use Reach’s ENC encoder series for distributed HD, SD and VGA en-coding, i.e. Reach’s ENC1500 HD encoder

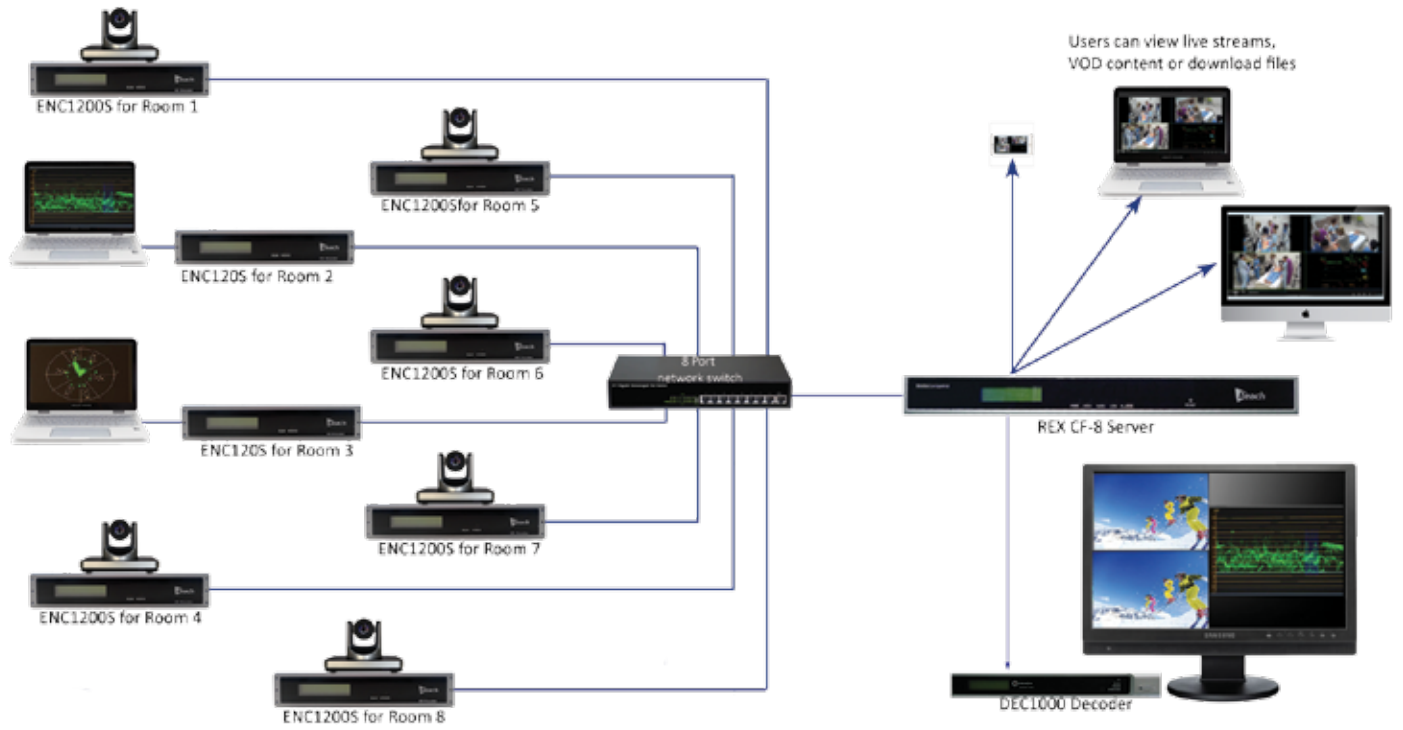
Encoding

H.264 high profile

File Format

MP4

REX - SIMULATION ROOM APPLICATION



MEDIA CENTER

MSRP SCALABLE

Media Center Homepage View



KEY MARKETS & APPLICATIONS

Markets

- ALL MARKETS

Applications

- AV over IP*
- Rich media acquisition*
- Rich media distribution
- Content delivery

*Requires Bee series appliance

TALK TRACK

MediaCenter is a media acquisition and delivery platform like YouTube but its private, secure, and it delivers rich media. MediaCenter enables granular management of: content, user rolls and permissions, the Bee appliances, and REX systems. Upload most other video formats to MediaCenter which trans-codes to MP4 for unified browser based delivery. Capture the event, make it available anywhere anytime. This is the new paradigm - cutting the cord. If you can browse, you can Reach.

KEY FEATURES & BENEFITS

- Customizable web portal for sharing rich media over the network
- HTML5 delivery to mobile devices including IOS and Android
- User management - assign different system privileges to different types of users
- Device management of Bee 7,8,9, and REX
- Integration with LMS and other content management systems (CMS) including BlackBoard and Moodle
- Supports LDAP and Single Sign On
- Simple, adjustable workflow management includes scheduled recording, server-based file editing, and auditing steps as needed
- Usage data logs for analysis of streams played and user activity

KEY TECHNICAL POINTS

Operating system

Linux OS (CentOS6.4)

Flexible deployment

- Reach-US server bundle
- Customer's on-premise servers
- Cloud hosted

Scalable

1 or 100's of devices, 10 or 1000's of users

Storage

Supports network storage, including IP SAN and NAS.

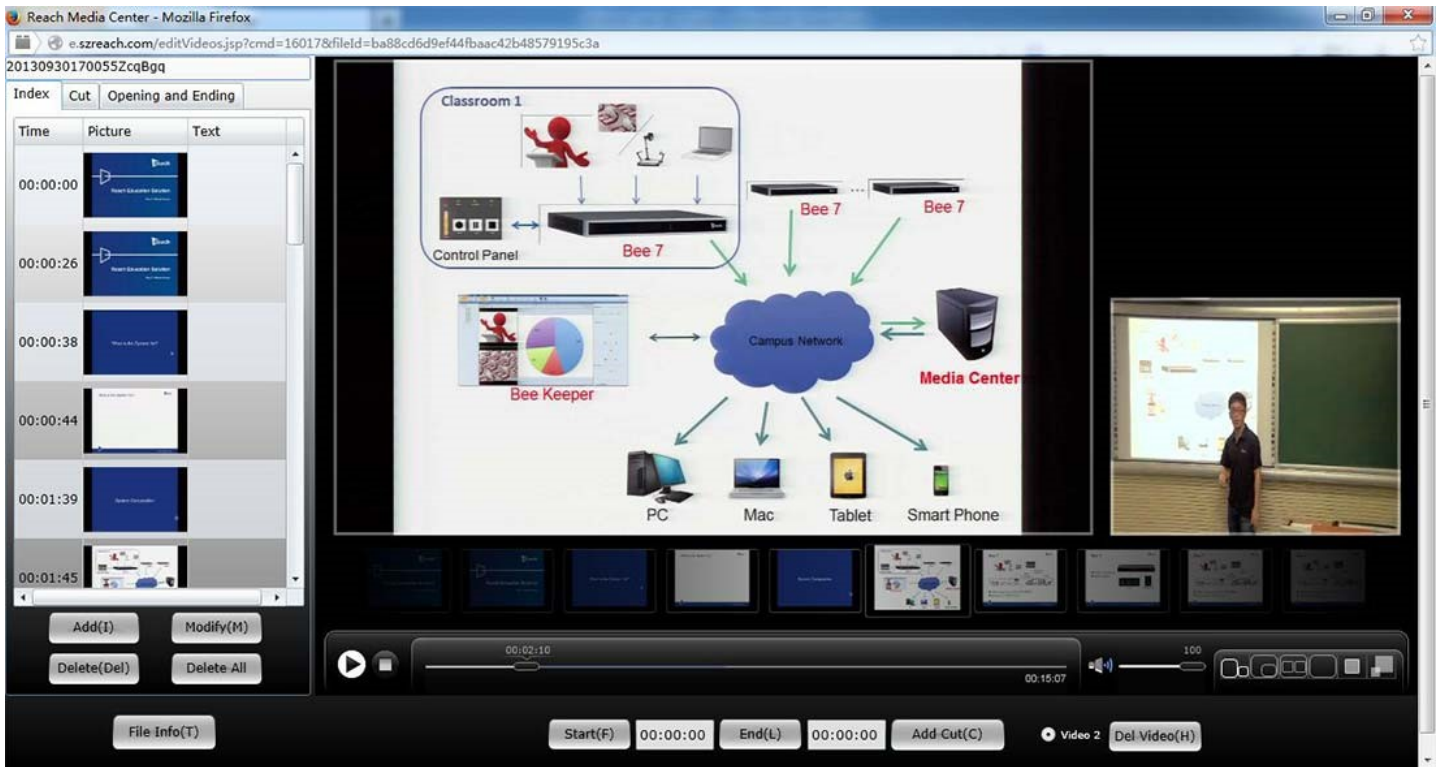
Playback

IE, Firefox, Chrome and Safari, Windows and Mac computers, iOS and Android mobile devices (HTML5)

Licensing

One time fee per concurrent user
(perpetual lifetime license per concurrent user)

MEDIA CENTER



MEDIA CENTER PRICING

Description	Price (MSRP)
10 Users	\$2,100
30 Users	\$5,660
100 Users	\$16,000



LIBERTY
AV SOLUTIONS

RUN WITH US

L0229

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