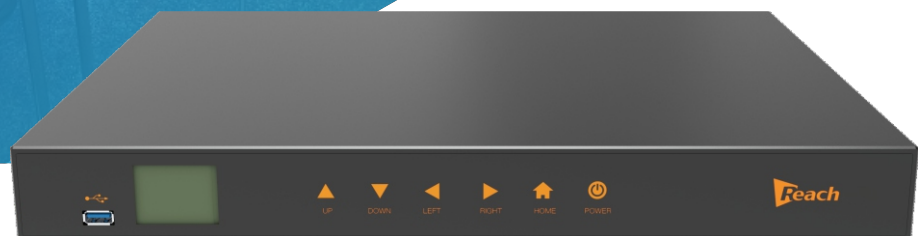


Micro-recording Processor

(Model: Bee9 Plus)

Bee9 Plus is the latest product of Reach, it supports MAX 4+1 signal inputs, include teacher close-up, podium panorama, student panorama, 1 presentation signal from PC and remote video conferencing. It integrated auto-tracking, auto-switch & recording features, can auto tracking teacher's movement, detect the signal source change and auto-switch the image between all signals.

Bee9 Plus can works with video conference system, to achieve distance Learning, it specialized for classroom's recording solution in education market.



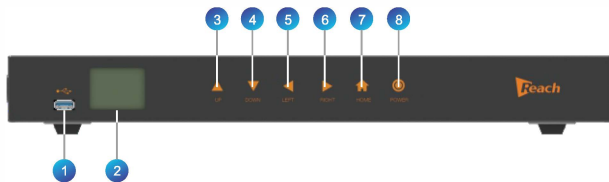
Features:

- ◆ Multiple video sources supported, up to 4+1 video sources
Include teacher close-up, podium panorama, student panorama, presentation and remote video conferencing, totally 4+1 video sources.
- ◆ Advanced auto tracking technology
With image recognition and multiple frames comparison technology, system can work out the position and detect teacher's motion, then can easily auto tracking teacher's movement without wear any infrared device.
- ◆ Support 4K panoramic capture camera (IP)
Bee9 Plus can support 4K panoramic capture camera HD-950L, it's more flexible to meet different customer needs.
- ◆ Exclusive 5-signal auto-switching technology
Switching between different signals, recording teaching activities naturally.
- ◆ USB copy file
Bee9 Plus with USB 3.0 port, can support copy the recorded movie mode high quality file to mobile storage device via USB interface.
- ◆ Support Movie mode and Resource mode
Bee9 Plus recorded file is a standard MP4 format and supports simultaneous recording of high and low bit rate movie mode and resource mode file.
High bit rate files are used for high-quality file saving, and low bit rate files are used for live streaming and video on-demand in mobile devices or low-bandwidth environments.

Specifications:

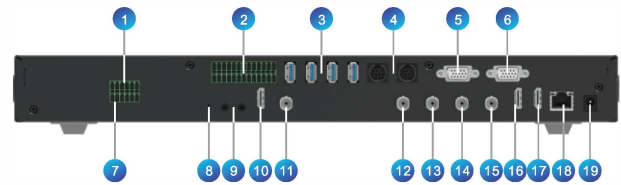
Model	Bee9 Plus
Operation System	Linux OS
Supported Video Input Resolution	HD signal: 720p@50@60, 1080p@25@30 VGA signal (digital DVI): 1024*768, 1280*720, 1366*768, 1400*1050, 1440*900, 1920*1080 VGA signal (analog): 1024*768, 1280*720, 1366*768, 1440*900
Supported Video Output Resolution	HDMI out: 720p@50@60, 1080p@50@60 VGA out: support 1080p at maximum Movie mode resolution: 720*480, 704*576, 800*600, 1024*576, 1024*768, 1280*720, 1920*1080
Video Encoding	H.264 High Profile
Frame Rate	25fps, 30fps
Recording File Size	300MB/h, 500MB/h, 600MB/h, 800MB/h, 1000MB/h, 1500MB/h, 2000MB/h
Audio Encoding	AAC-LC
Audio Bit Rate	128Kbps
Audio Sample Rate	48KHz
Director Mode	Three scenes / Four scenes
Tracking way	Build-in auxiliary positioning camera in 4K panoramic capture camera
File Format	MP4, Movie mode & Resource mode
Language	English, Simplified Chinese, Traditional Chinese
Storage	1TB/2TB/4TB/8TB(optional), support dual hard disk
Power	AC 100~240V/60W/2A
Dimensions	430mm*335mm*44.5mm (L*W*H)
Weight	10.0Kg
Relative Humidity	5% to 95%
Working Temperature	-20°C to 60°C
Storage Temperature	-40°C to 80°C

Front Panel:



No.	Component	Statement
1	USB Port	USB3.0, for download the latest file
2	LCD	Display system info, IP address, status, etc.
3	Up button	Reserved
4	Down button	Reserved
5	Left button	Reserved
6	Right button	Reserved
7	Main interface button	Reserved
8	Power button	Light touch to display IP address

Rear Panel:



No.	Component	Statement
1	LINE Out	Audio output
2	Control	Control port
3	USB port	USB3.0, can download file or connected with Keyboard
4	Video IN	Reserved
5	VGA IN	VGA signal input from PC
6	VGA Out	Output director image
7	LINE In	Audio input
8	RESET	Reset to factory setting
9	AUDIO IN/OUT	Reserved
10	HDMI IN	HD signal input, only can use when VGA in is disconnected
11	3G-SDI	Remote video conferencing signal input
12	3G-SDI	Student panorama signal input
13	3G-SDI	Podium panorama signal input
14	3G-SDI	Student close-up signal input, Reserved
15	3G-SDI	Teach close-up signal input
16	HDMI OUT2	Connected to VC system, auxiliary stream
17	HDMI OUT1	Connected to VC system, main stream
18	LAN	Connected with network
19	Power input	Reset to factory default settings

4K Panorama Camera

(Build-in auxiliary positioning feature)



Image sensor	1/2.3" Progressive Scan CMOS
Effective pixels	3840 × 2160
Video format	4K@30(3840*2160), 2K@30(2560*1440), 1080P@30, 720P@30
Video output	1080P for live and record
Variable Gain	Digital gain -30dB-23.9dB
Minimum illumination	Multicolor: 0.001 Lux @ (F1.2, AGC ON)
Video Encoding	H.265/H.264
Bit Rate	128kbps ~ 30Mbps adjustable
Audio Encoding	AAC 32K/44.1K/48K
Video output	Rj45, with PoE
Power Input	DC 12V, 1A
Power Dissipation	6W Max (With WIFI Module, 9W Max)
Color	White & Black
Working Temperature	-10 ~ 60°
Working Humidity	>90%, No condensation



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