SpacesGate

SG-1

Media Collaboration System

First-of-Its-Kind Solution for Teamwork

The Future of Learning & Meeting Spaces

SpacesGate Brings People Together for Knowledge Sharing and Collaboration

When your organization (ex. company, university, medical institute, etc.) grows, it tends to open new branches. At this point instant communication becomes critical. SG-1 system can bring people together from different places for visual communication, content sharing, and collaboration in real-time in an effective and user-friendly way.
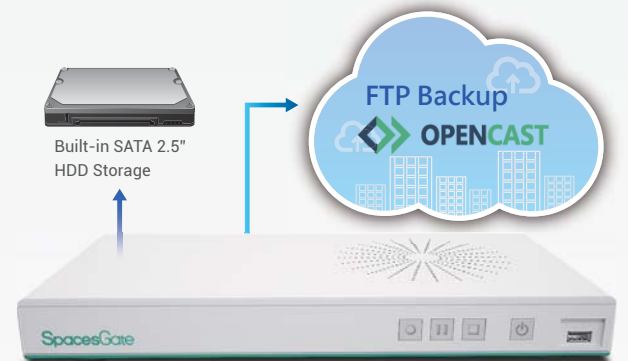

Intuitive and Easy-to-Use

SpacesGate comes with a well-thought graphical user interface that allows users to easily operate SG-1 features, such as video source switching, video conferencing, collaboration, recording and streaming.

Effortless Backup and Publishing

Whether in a video collaboration or a remote training scenario, SpacesGate allows users to easily record, playback, and backup meeting videos for those who were not present. SG-1 stores hundreds of hours of Full HD recorded videos on its 1TB hard drive. To secure your valuable work, SG-1 can automatically backup to an FTP-server. SpacesGate is also compatible with "Opencast".

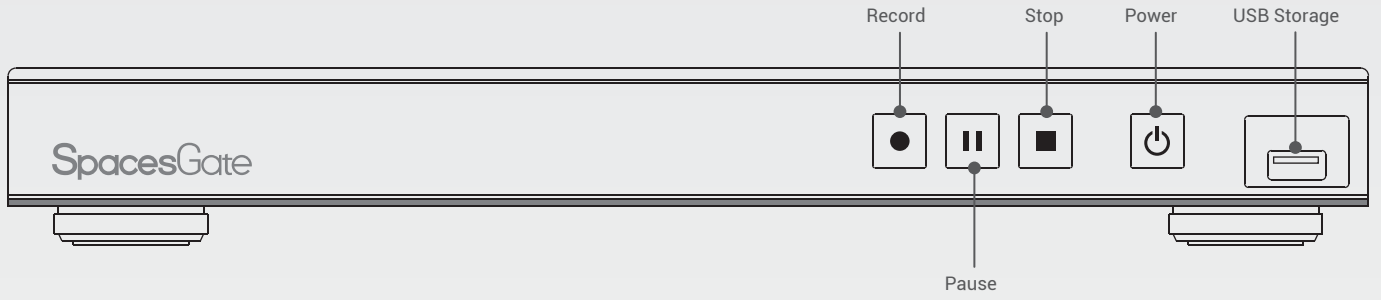Built-in SATA 2.5" HDD Storage

FTP Backup

OPENCAST

Implementation and Vertical Markets

SG-1 Media Collaboration System can be combined with existing audio visual equipment, such as presentation sources, cameras, and displays (including projectors, interactive whiteboards or interactive monitors). Users can easily install Collaborative Station in a classroom, meeting room, working space, medical environment or any spaces where people discuss topics and create ideas.
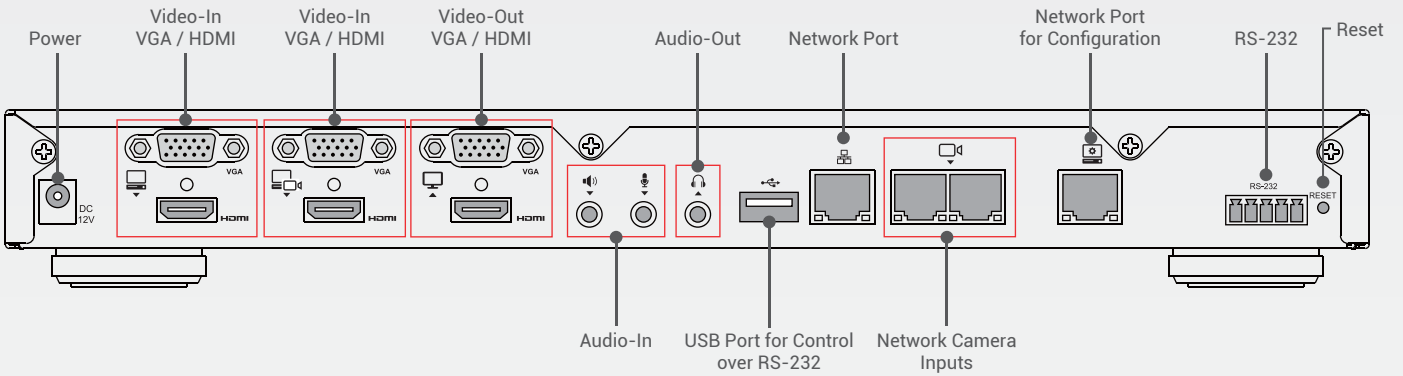

Digital Camera

Network Camera

Digital Content

Auto-Tracking System

Interactive Equipment

Microphone

Product View

Front Panel

Record · Stop · Power · USB Storage · Pause

Back Panel

Power · Video-In VGA / HDMI · Video-In VGA / HDMI · Video-Out VGA / HDMI · Audio-Out · Network Port · Network Port for Configuration · RS-232 · Reset

Audio-In · USB Port for Control over RS-232 · Network Camera Inputs

Connection Diagram of SG-1 Media Collaboration System

Local Room

Laptop
Camera
Interactive Equipment
Audio System

Real-Time Distant Collaboration

Remote Room

Laptop
Camera
Interactive Equipment
Audio System

Internet · Internet

Specification

Model Name	SG-1 Media Collaboration System

Video Inputs	
Content Channel*	2 HDMI and 2 VGA selectable inputs *Compatible with DVI and Component signals via using DVI to HDMI or Component to VGA adapter.
Camera Channel*	1 HDMI / 1 VGA / 1 RJ-45 input *Compatible with DVI and Component signals via using DVI to HDMI or Component to VGA adapter.
Conferencing Channel	1 Streaming input from another conferencing SG-1 device
Resolution Range	HDMI: 480i~1080p60 VGA Video: 480i~1080p60 VGA PC: 640 x 480~1920 x 1080

Video Processing	
Compression	H.264 / AVC
Frame Rate	Max. 30fps
Bit Rate	500Kbps~8Mbps
Resolution	Max. 1080p (320x240 ~ 1920x1080)

Audio Inputs	
Audio-In	1 3.5mm Stereo Mic in 1 3.5mm Stereo Line in 2 HDMI 1 UAC (USB Audio Class) input (16-bit 48 kHz audio)

Audio Processing	
Compression	AAC-LC
Bit Rate	80Kbps~320Kbps

Video / Audio Outputs	
Video Out	1 H.264 / AVC digital video over IP 1 HDMI / 1 VGA selectable outputs* * Display output will include the GUI (Graphical User Interface)
Audio Out	1 3.5mm Stereo Line out 1 HDMI 1 UAC (USB Audio Class) output (16-bit 48 kHz audio)
Output Resolution	1080p60

Collaboration Modes	
Background	Slides, whiteboard (selectable colors and grids) and video from the camera
Annotation	Pen (selectable colors and thickness), eraser and clear function
Video Call	Video and audio via accessories

Storage and Backup	
Built-in Local Storage	1TB 2.5" SATA III Hard Drive
External Storage	USB storage
Locally Stored File Format	MP4
FTP Backup	Automatic backup to an FTP server after recording is done
Third-Party Software	Compatible with Opencast Media Server

Streaming Parameters	
Streaming Delay	1 sec.
Streaming Input Protocols	RTSP, RTP, RTMP, UDP
Streaming Output Protocols	RTP, RTMP (RTMPS), RTSP

Remote Connections	
Built-in Connection Group	Up to 5 devices in the group
Dial-in for Video	1 on 1 at once
Video Delivery	Multiple viewing layouts
Collaboration	Supports drawing on image or dynamic video

Playback	
Local Playback	Yes
Video Thumbnail	Yes
Index List Selection	Yes

Control, Recording and Streaming	
Control of the Station	Recommended touch screen, interactive projector, mouse via USB, Front panel keys, RS-232
Network Camera Control	VISCA / PELCO-D / PELCO-P / Onvif
Recording Modes	Mixed mode
Recording Layouts	Fullscreen / Picture-in-Picture / Picture-by-Picture
Live Broadcast	Via RTMP protocol to streaming platform and CDN (Content Delivery Network)
Bookmark	Automatic and manual index insertion
Background Image	1 user-defined png. image
Overlay Graphic	1 user-defined png. image
Video Information Editing	Via Video Manager webpage

General Information	
Operation System	Embedded Linux System
Power Supply	12V / 2A
Temperature / Humidity	0~40℃ / 90%
Dimension	354mm(L) x 185mm(W) x 46mm(H)
Weight	1.71kg
Language	English, Spanish, Russian, Czech, Traditional Chinese, Simplified Chinese
Accessories	Power adapter, Quick Installation Guide