

# SG-1 | SG-1T

## Media Collaboration System

AV Interaction without Frontiers



Content Sharing  
and Collaboration



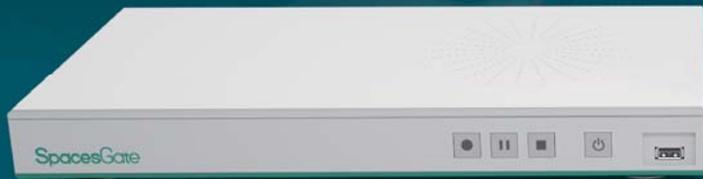
Video Recording



Visual  
Communication



Live Streaming



# 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/SG-1T system can bring people together from different places for visual communication, content sharing, collaboration, and lecture/meeting recording in real-time in an effective and user-friendly way.



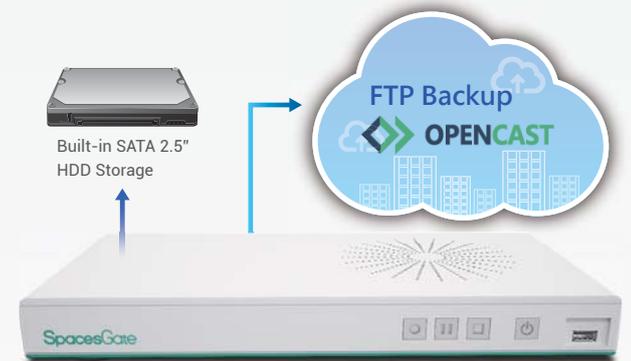
### Intuitive and Easy-to-Use

SpacesGate comes with a well-thought graphical user interface that allows users to easily operate SG-1/SG-1T 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/SG-1T can store hundreds of hours of Full HD recorded videos on its 1TB hard drive. To secure your valuable work, SpacesGate can automatically backup to an FTP/SFTP-server. SpacesGate is also compatible with Opencast, Kaltura, and Panopto.



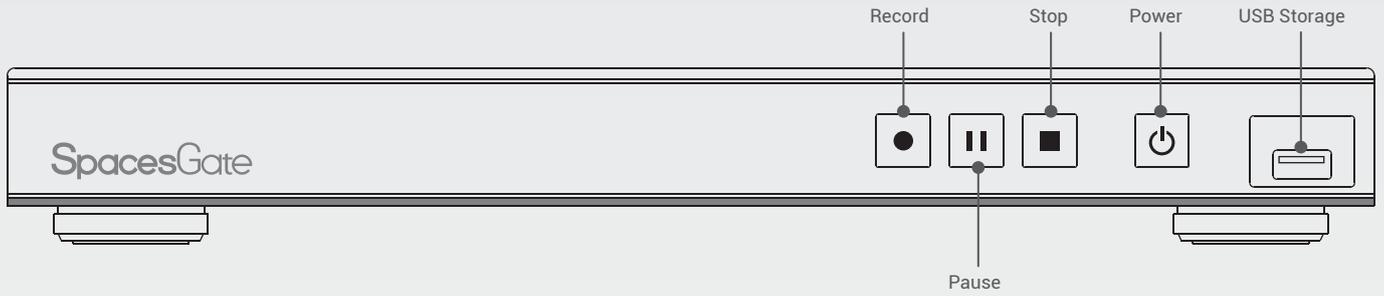
### Implementation and Vertical Markets

SpaceGate 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.

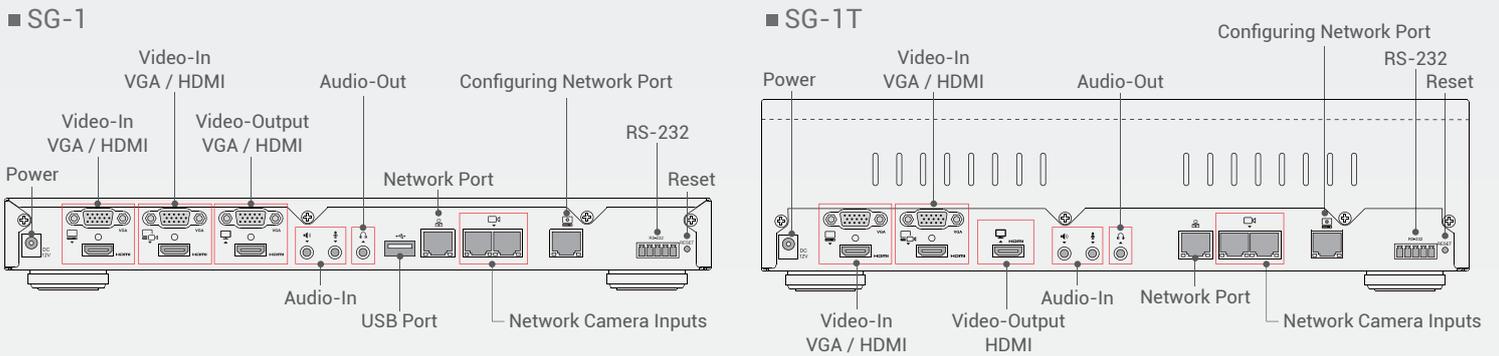


# Product View

## Front Panel



## Back Panel



# Connection Diagram of SG-1/SG-1T Media Collaboration System

**Local Room**

- Laptop
- Camera
- Projector
- Audio System

**Collaboration (Screen and Annotation Sharing)**

AMSTERDAM

**Marketing and Related Materials**

- Family brochure
- Product data
- Videos
- Presentations
- Coffee machines
- Paper cups
- Name cards

**Remote Room**

- Laptop
- Camera
- Touch Display
- Audio System



## Specifications

Media Collaboration System	SG-1	SG-1T
<b>Video Inputs</b>		
Content Channel*	2x HDMI / 2x VGA selectable inputs	
Camera Channel*	1x HDMI / 1x VGA / 1x RJ-45 (supports network camera and IP steam) selectable inputs	
Resolution Range	HDMI: 480i~1080p60 / VGA Video: 480i~1080p60 / VGA PC: 640 x 480~1920 x 1080	
<b>Video Processing</b>		
Compression	H.264/ AVC	
Frame Rate	Max. 30fps	
Bit Rate	300Kbps~4Mbps	
Resolution	Max. 1080p (640x360 ~ 1920x1080)	
<b>Audio Inputs</b>		
Audio-In Channels	1x 3.5mm Stereo Mic in / 1x 3.5mm Stereo Line in / 2x HDMI / 1x UAC (USB Audio Class) input (16-bit 48 kHz audio)	
<b>Audio Processing</b>		
Compression	AAC-LC	
Bit Rate	80Kbps~320Kbps	
<b>Video / Audio Output</b>		
Built-in Touch Screen	N/A	10.1" 1280x800 TFT LCD PCAP Touch Panel
Video Output	1x H.264 / AVC digital video over Ethernet 1x HDMI / 1 VGA selectable output for display Note: display output will include the GUI	1x H.264 / AVC digital video over Ethernet 1x HDMI output for display (with on-screen GUI)
Output Resolution	1080p60	
Audio Output	1x 3.5mm Stereo Line out / 1x HDMI / 1x UAC (USB Audio Class) output (16-bit 48 kHz audio)	
<b>Streaming Parameters</b>		
Streaming Delay	1 sec.	
Compatible Streaming Input Protocols	RTSP, RTP, RTMP	
Streaming Output Protocols	RTP, RTMP (RTMPS), RTSP	
	Note: 1. users can choose 1 output option from RTP or RTMP only 2. RTP: MPEG2-TS over RTP unicast; MPEG2-TS over RTP multicast 3. RTSP (TCP/ UDP): Max 6 clients RTSP streams available via public URL (example: pulled streams)	
<b>Storage, Backup, and Compatibility</b>		
Built-in Local Storage	1TB 2.5" SATAIII Hard Drive	
External Storage	USB storage	
File Format	MP4	
FTP Backup	Automatic backup to an FTP server after recording is done	
Third-Party Software Server	Compatible with Opencast Media Server	
<b>Collaboration Tools</b>		
Background	Content sources, whiteboard (selectable colors and grids) and video from the camera	
Background Colors and Grids	6 colors/ 6 types	
Drawing Tools	Annotation by pen tools, eraser, delete	
Thickness of the Pen Line	Adjustable design	
Colors of the Pen	10 default colors. User can select a color from color picker	
<b>Remote Connections</b>		
Built-in Connection Group	Up to 5 devices in the group	
Dial-in for Conferencing	1 on 1 at once	
Video Delivery	Multiple viewing layouts. Content/ camera/ picture-by-picture	
Collaboration	Supports drawing on image or dynamic video	

Playback		
Local Playback	Yes	
Video Thumbnail	Yes	
Bookmark List Selection	Yes	
Recording		
Recording Modes	Mixed mode	
Recording Layouts	Full screen / picture-in-picture / picture-by-picture / 3-channel split screen	
Bookmark	Automatic and manual index insertion	
Background Images	1 jpeg image for user-defined	
Overlay Graphics	1 png image for user-defined	
Live Broadcasting		
Live Broadcast to CDN or Stream Server	Yes, support RTMP protocol	
Video Information Editing		
Post Video Info Editing	Yes, through Video Manager web page	
Video Info Adding	Video info will be added on video file name automatically while file output or uploading	
Controls of SG-1/SG-1T and Network Camera		
Touch Interface	Through recommended touch screen, interactive projector, or interactive module with on-screen GUI	Through built-in 10.1" touch screen with GUI
Mouse Device	Through USB interface connection	
External Device	Supports RS-232 interface port	
Control Button	On the front of the media collaboration system	
Video Manager Remote Control	Built-in video manager: through web page	
Network Camera Control	VISCA / PELCO-D / PELCO-P / ONVIF profiles	
General Information		
Operation System	Embedded Linux System	
LCD Screen	Yes, built-in 10.1" LCD touch screen	
Power Supply	12V/ 2A	12V/ 3A
Temperature / Humidity	0~40°C / 90%	
Dimension	354mm(L) x 185mm(W) x 46mm(H)	354mm(L) x 188.2mm(W) x 91.4mm(H)
Weight	1.71kg	2.71kg
Language	English, Spanish, Russian, Czech, Traditional Chinese, Simplified Chinese, Korean	
Accessories	Power adapter / quick installation guide	

\*Compatible with DVI and Component signals via using DVI to HDMI or Component to VGA adapter cable.

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