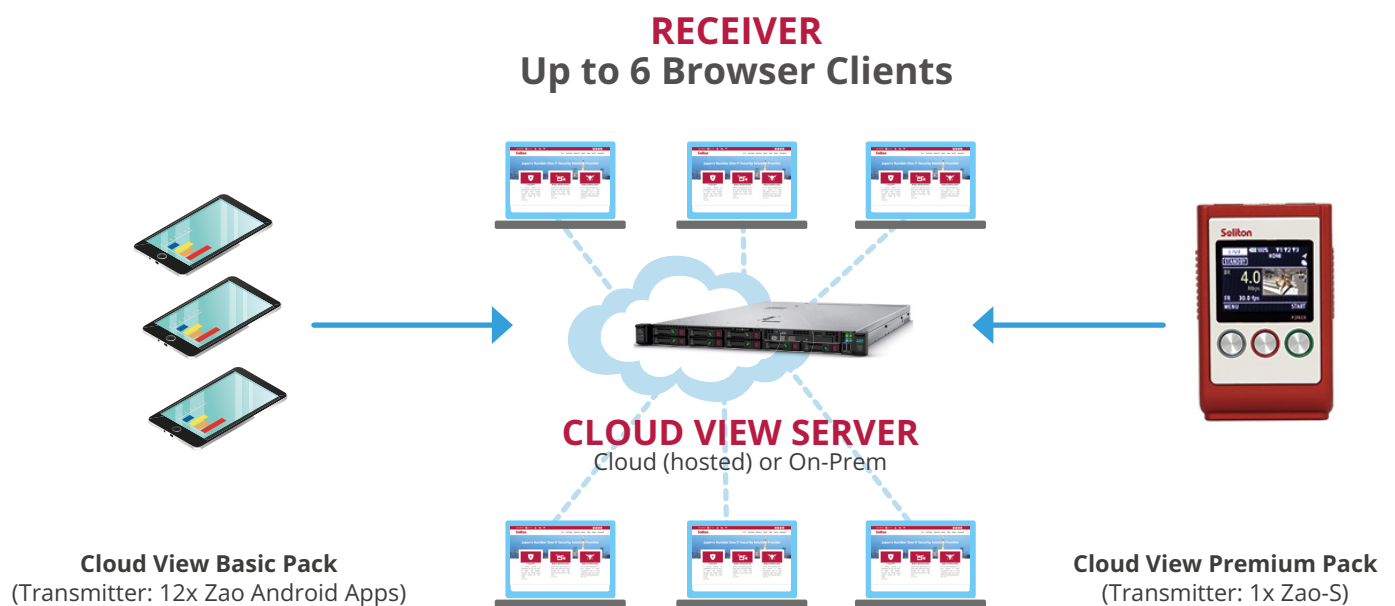# Zao Cloud View
Mobile Surveillance

Soliton's Zao Cloud View is a receiving platform that is used to receive, decode, display and record live streams from Soliton's mobile surveillance products. Cloud View can push live streams to other mobile devices such as laptops, tablets, iPads and smart phones for the video stream to be viewed in real time in a standard browser. Any device using a browser can view video either in HQ or remotely in the field. Soliton's mobile surveillance products includes the Zao, Zao-S and Zao Android App and can live stream fully encrypted.

Cloud View can be provided as a hosted cloud service or it can be installed "On-Premise".

RECEIVER
Up to 6 Browser Clients

CLOUD VIEW SERVER
Cloud (hosted) or On-Prem

Cloud View Basic Pack
(Transmitter: 12x Zao Android Apps)

Cloud View Premium Pack
(Transmitter: 1x Zao-S)

The Cloud View Platform can be acquired in two different set-ups' depending on the requirement:

DESCRIPTION	CLOUD VIEW BASIC PACK	CLOUD VIEW PREMIUM PACK
Transmitter Type	Zao Android (H.264 / H.265)	Zao or Zao-S (H.265)
Max Number of Transmitters per Server	12	4 (On-prem) / 1 (Hosted)
Max Number Viewers (by Browser)	6	6
Hosted Cloud and On-Premise Option	✔	✔
GIS and Archive	✔	✔
Includes 12 Zao Android App Licenses	✔	✘

SPECIFICATIONS
ZAO CLOUD VIEW SERVER

Fully Hosted by Soliton (subscription pricing) or can be installed "On Premise" (perpetual pricing model with 3 years support). Annual support can be extended after 3 years.

ITEM	UNIT	CLOUD VIEW BASIC	CLOUD VIEW PREMIUM
Video Transmitter	Transmitter device	Zao Android App	Zao or Zao-S
	Max. Connections	12	4
	Protocol	RASCOW/ H.264 UDP	RASCOW/ H.265 UDP
	Error Correction	ARQ Packet sort	ARQ Packet Sort
	Latency	720ms – 30000ms	720ms – 30000ms
	Encryption	AES256	AES256
Receiver	Browser	Chrome/Safari	Chrome/Safari
	Max Receivers – Browser Based	6	6
	Functions	View, Record & Playback, Bi-directional Audio conference, Map	View, Record & Playback, Bi-directional Audio conference, Map(Optional)
	User Security (by sign-on credentials)	**Administrator** • Account Create & Delete • Conference Room Create & User Control **Manager** • Conference Room Create & User Control **User** • View, record and delete	**Administrator** • Account Create & Delete • Conference Room Create & User Control **Manager** • Conference Room Create & User Control **User** • View, record and delete
Video Specification	Resolution	1920x1080 1280x720 (default) 640x360	Zao-S – Camera dependent (1080p or 720p)
	Framerate	Up to 30 fps 10fps (default)	Zao-S – Camera dependent (1080p or 720p)
	Video Format	NTSC or PAL	NTSC or PAL

ITEM	UNIT	CLOUD VIEW BASIC	CLOUD VIEW PREMIUM
Remote Start / Stop		✔	✔
Audio Specification	Frequency	16KHz (Mono)	48KHz(Stereo)
Archive	File Format	MP4	MP4
	Recording Capacity	400GB equals 400-hour (2Mbps encode rate)	400GB equals 400-hour (2Mbps encode rate)
GIS Integration		Open Street Maps (default) Google Maps (not included)	Open Street Maps (default) Google Maps (not included)

SERVER-SIDE SPECIFICATION: FOR ON-PREMISE ONLY (HARDWARE REQUIRED)

	CLOUD VIEW BASIC	CLOUD VIEW PREMIUM
Virtual Appliance	VMware vSphere Hypervisor ESXi 6.7 or later	VMware vSphere Hypervisor ESXi 6.7 or later
Hardware CPU	Intel Xeon Silver 4110 2.1 GHz (8 core)	
RAM	32GB	
HDD	Min 500GB	**Confirmed at time of order**
PSU	2x 500W "No Execute Memory Protection" is required	
	HP DL360 Gen 10 recommended.	

ZAO ANDROID APP:

Android Operating System	Android 6 or later
Zao Android App Codec	H.264 / H.265 / automated
Encryption	AES256
Video Format	Full HD (1080p), PAL or NTSC
Frame rate	30fps/25fps/10fps
Features	Power saving, zoom, thermal camera where available (Cat Phone), light-on option, dual camera option, lock screen