

In order to optimize the bandwidth consumption between a (h)DVR, NVR or archive server and Command Center and nCCTV HD that utilizes the same video source – Instek Digital™ introduces its state-of-the-art Streaming Manager. The Streaming Manager behave as a stream relay server to obtain streams from a (h)DVR, NVR or archive server and forward it to Command Center and nCCTV HD.

Instek Digital™ Streaming Manager can largely reduce the bandwidth between a (h)DVR, NVR or archive server and multiple clients. Besides, the requested stream can be transcoded to any formats/resolutions/frame-rate such as H.264, MJPEG and MPEG4 in timely manner according to client's demand. This will result in more efficient bandwidth usage and ease the video decoding power on mobile clients that cannot afford H.264 decoding.



## Key Features

- X86 Linux operating system
- Distributed architecture and TCP/IP protocol for all environments
- Transcoding performance 16/32 D1 to 16/32 CIF (H.264)
- Relay performance 200 video streams (live and playback video)
- Video source from (h)DVR, NVR, archive server
- H.264 / MPEG4 / MJPEG format
- 200 video stream in and output for live and playback viewing

## INSTEK DIGITAL

Instek Digital is a video surveillance business unit of Good Will Instrument Co., Ltd. and focus on the development of high quality digital surveillance solutions. The company inherited over 20-years of surveillance experience. Instek Digital has the luxury of a strong financial background supported by Good Will Instrument Co., Ltd. – has over 40-years of electronics R&D and manufacturing experience. And Good Will Instrument Co., Ltd. is also listed on the Taiwan Stock Exchange.

Instek Digital offers a wide array of video surveillance software and hardware – under the brand of Instek Digital. The core design are based on the following principles; “User-Friendliness”, “Scalability” and “Reliability”. Instek Digital’s solutions are based on an open platform – creating seamless third party integration. With this concept Instek Digital has created a business model that can meet every aspect in today’s surveillance demand. The results speak for themselves – based on small and large projects that we have deployed around the world.

<b>System</b>	Model	<b>ID-SM5402-1U</b>		<b>ID-SM5401-1U</b>
	Function	streaming manager		
	Processor	Intel® Core i7		Intel® Core i5
	Video source	supports (h)DVR / NVR / archive server (standard H.264)		
	Operating system	X86 Linux		
	Architecture	distributed architecture and TCP/IP protocol for all environments		
	Transcoding performance	D1 > CIF: 32 CH		D1 > CIF: 16 CH
		720P > CIF: 32 CH		720P > CIF: 16 CH
		1080P > CIF: 18 CH		1080P > CIF: 10 CH
	Relay performance	2Mb/s 200 video streams input & output live and playback viewing		
	Output device	Instek Digital™ nCCTV HD		
	Supported format	H.264 / MPEG4 / MJPEG		
	Keyboard / mouse	PS/2   USB		
	Ethernet	1 x gigabit LAN		
	USB	6 x USB		
	Video outputs	1 x VGA		
<b>Environmental</b>	Operating temperature	0 ~ 40°C		
	Humidity	Max. 90%, non-condensing		
<b>Electrical</b>	Power input	AC 100V ~ 240V		
	PSU	250W		
<b>Mechanical</b>	Form factor	1U rack-mount		
	Dimensions w / wo box (WxDxH mm)	485 x 545 x 185 / 430 (490 incl. side rails) x 367 x 44		
	Weight w / wo box (kg)	9.3 / 6.2		

a) The actual video display performance may vary according to type of camera(s) and lighting condition.  
 b) Product specifications and availability are subject to change without notice.  
 c) Instek Digital™ is a registered trademark of Good Will Instrument Co., Ltd.

**Models:**

**Details:**

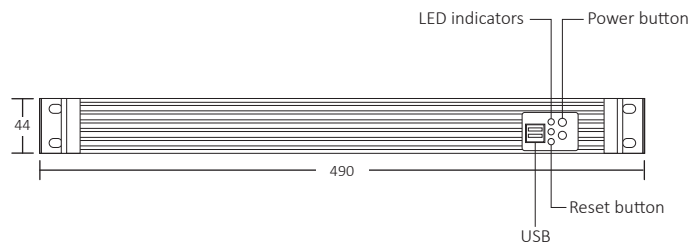
<b>ID-SM5402-1U</b>	Turnkey	200 streams input	200 streams output	32 channels transcoding
<b>ID-SM5401-1U</b>	Turnkey	200 streams input	200 streams output	16 channels transcoding
<b>ID-SM50S2-SW</b>	Software	200 streams input	200 streams output	32 channels transcoding
<b>ID-SM50S1-SW</b>	Software	200 streams input	200 streams output	16 channels transcoding

**Minimum hardware requirement for Streaming Manager Software solution**

<b>CPU</b>	Intel® Core™ i7 or higher
<b>Memory</b>	DDR3 1600 4GB or more
<b>Graphics card</b>	VESA compatible
<b>Storage</b>	500GB hard-disc drive
<b>Network</b>	Gigabit LAN NIC (10/100/1000 Mbit)

## Front View ID-SM5400-1U Series

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## Front View ID-GA5400-1U Series

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