

Instek Digital™ sleek 5000-1U NVR is an economical network video recorder. This 1U rack mountable device is designed for enterprise level video surveillance focused on external storage devices. Video-data transferred from the IP-camera are directly stored on either a DAS-SAS, IP-SAN or JBOD external storage device.

Instek Digital™ features Monitor IX to monitor the system's health and preventing system issues. Instek Digital™ 5400-1U series NVR is a slim and economical video surveillance system with endless storage capacity and high performance.



## Key Features

- Superior solution for Coldstore as well as other RAID-solutions
- Video-data storage on Coldstore, SAS DAS, IP-SAN or JBOD storage devices
- Comprehensive graphical illustration for quick search of recorded video
- Embedded Instek Digital™ Power DOM reducing system downtime and optimizing operations
- Playback by date, time, camera and event
- Pre-alarm and post-alarm video recording
- Watchdog for guaranteed high availability
- Automatic time synchronization between all Instek Digital™ NVRs (NTP protocol)
- X86 Linux OS for minimized virus threats
- No-risk of losing video-data- as it is stored on a separate device
- Support various image resolutions from CIF/D1/720P/1080P to multiple megapixels
- Up to 64 camera support
- Remote access and control via CCWeb Client utilizing TCP/IP network (LAN/WAN/internet)
- Video surveillance anytime and anywhere with Instek Digital™ CC Mobile (mobile app)
- SDK API ready for integration with POS, Access Control and Building Automation Systems
- Open platform
- ONVIF compliant
- H.265 and H.264 support
- Triple stream support
- RSA-2048bit encryption/decryption for video recording/transmission
- HTTPS(TLS/SSL) connection supported between camera and NVR for secured video-stream
- NVR embedded QoS (Quality of Service for Surveillance) for bandwidth optimization

## 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>	Operating system	X86 Linux	
	Network throughput	up to 800 Mbps	
	Recording throughput	up to 64 MB/s	
	Network interface	2 gigabit Ethernet	
	Hard-Disc Drive trays	-	
	RAID	-	
	External storage	archive server / IP SAN + JBOD / NAS supporting iSCSI target	
	Supported codecs	H.265 / H.264 / MPEG4 / MJPEG	
	Audio input / output	1 / 1	
	Serial port	1 x RS-485 + 1 x RS-232	
	Video outputs	1 x VGA	
	USB	6	
	Video server and camera support	3S, ACTI, Appro, Arecont Vision, Axis, Basler, Bosch, Brickcom, D-Max, Dynacolor, Etrovision, Hikvision Hisharp, Hi-tron, Hunt, ITX, IQinvision, JVC, Matricam, Messo, Mobotix, Panasonic, Pelco, Pixord, Probe, Samsung, Sanyo, Secubest, Sony, Uniview, Vivotek	
	Digital input / output module	max. 128 inputs / 64 outputs using remote I/O modules ID-IO2000-1600 (16 Di), ID-IO2000-0016 (16 DO), ID-IO2000-0808 (8 DI / 8 DO) (optional)	
	RS232 / 485 converter	I- CT2000- 232 T485 (optional)	
	ACS	Cardex, CEM, Kantech	
	Security	RSA2048 bit encryption	
	Bandwidth optimization	Quality of Service for Surveillance (QoSS)	
	<b>Environmental</b>	Operating temperature	0 ~ 40°C
		Humidity	Max. 90%, non-condensing
	<b>Electrical</b>	Power input	AC 100V ~ 240V
		Dual power supply	-
<b>Mechanical</b>	PSU	265W	
	Form factor	1U rack-mount	
	Dimensions w / wo box (WxDxH)	551.0 x 624.0 x 191.0 / 482.6 x 394.0 x 44.4	
<b>Features</b>	Weight w / wo box (kg)	10.0 / 6.0	
	Searching method	date / time / camera / alarm list / smart search	
	Image control	contrast / brightness / saturation / hue	
	Recording modes	continuous / scheduled / motion detection / event triggered	
	Pre / post recording	1 ~ 60 seconds	
ONVIF	2.0 and Profile S		
Product certification	CE, FCC		

**Turnkey Models:**

**Description:**

**Channel Upgrade License:**

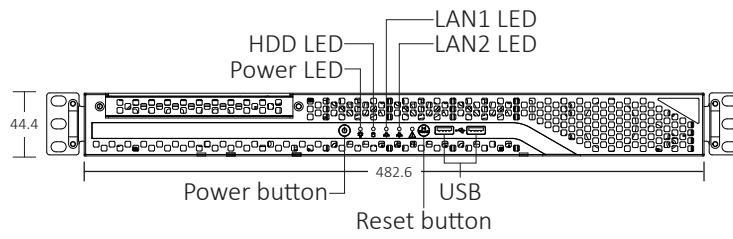
<b>HR-NR5464-1U</b>	64 camera channels   2 gigabit Ethernet
<b>HR-NR5448-1U</b>	48 camera channels   4 gigabit Ethernet
<b>HR-NR5432-1U</b>	32 camera channels   4 gigabit Ethernet
<b>HR-NR5416-1U</b>	16 camera channels   4 gigabit Ethernet

<b>HR-NR5032-SW</b>	32 camera channels
<b>HR-NR5016-SW</b>	16 camera channels
<b>HR-NR5008-SW</b>	8 camera channels
<b>HR-NR5004-SW</b>	4 camera channels
<b>HR-NR5002-SW</b>	2 camera channels
<b>HR-NR5001-SW</b>	1 camera channels

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.  
 \*) 64 channels, requires at least 8 hard-disc drives and no serial port

Note: max. channel number is 64.

## Front View NR5000-1U



## Rear View ID-NR5000-1U

