NUUO Titan NVR

Enterprise Linux Recording Solution

Power. Speed. Redefined

Revolutionary High Megapixel Recording and Management System







Optimized



250Mbps throughput



RAID 0,1,5,



Chain





Gigaports



E-Map



Respond



400 ch (live) 100 ch (playback)























Camera Support







Honeywell





















level one



















LINKSYS[®]























Design Highlights

Megapixel Recording Powerhouse



NUUO Titan NVR utilizes a redefined recording engine named File Ring. File Ring is engineered from scratch to handle high megapixel recordings by changing how hard drives store and retrieve video data. It can process large amount of data throughput boosting Titan's recording performance to 64 2 - Megapixel cameras (H.264, 15 fps, moderate traffic).

① Cam	era Status					
No.	Name	Address	Conn.Status	Rec.Status	Framerate	Bitrate
45	Field Cam 45	192.168.0.159	8 0	0	8.0 fps	3200 .0 Kbps
46	Field Cam 46	192.168.2.168	8 0	0	10.0 fps	3800 .2 Kbps
47	Field Cam 47	192.168.1.128	8	0	9.0 fps	3350 .8 Kbps
48	Field Cam 48	192.168.0.235	8	0	7.0 fps	3546 .0 Kbps
49	Field Cam 49	192.168.1.240	8	0	8.0 fps	3500 .0 Kbps
50	Field Cam 50	192.168.0.158	8	0	10.0 fps	3876 .0 Kbps
51	Field Cam 51	192.168.0.160	8	0	9.0 fps	3200 .0 Kbps
52	Field Cam 52	192.168.0.161	8	0	8.0 fps	3800 .2 Kbps
53	Field Cam 53	192.168.1.162	8	0	10.0 fps	3350 .8 Kbps
54	Field Cam 54	192.168.1.163	8	0	9.0 fps	3546 .0 Kbps
55	Field Cam 55	192.168.0.164	8	0	7.0 fps	3500 .0 Kbps
56	Field Cam 56	192.168.1.165	8	0	8.0 fps	3876 .0 Kbps
57	Field Cam 57	192.168.2.166	8	0	10.0 fps	3200 .0 Kbps
58	Field Cam 58	192.168.1.167	8	0	9.0 fps	3800 .2 Kbps
59	Field Cam 59	192.168.0.168	8	0	8.0 fps	3350 .8 Kbps
60	Field Cam 60	192.168.1.170	8 0	0	10.0 fps	3546 .0 Kbps
				0		

64x 5-Megapixel recording utilizing F.R. Mega Optimized recording engine

Central Remote Management



Titan NVR is built with highly efficient data and event management architecture. User can select smaller bandwidth profile for remote viewing to eliminate internet bottlenecks without affecting the recorded videos.



In addition, Titan is equipped with NUUO Command Chain Technology which can synchronize user accounts and critical events across 100 servers, 400 channel live views and 100 channel playback simultaneously.





Centralized E-Map with video popup and tool bar for users to quickly access commonly used functions

Turn, Scale and Stitch Cameras Together



Experience a world without camera dead angles and narrow hallway views. NUUO Image Fusion Technology can manipulate camera views by changing its viewing angle and image size make viewing easier in both live view and playback. Moreover, users can stitch multiple cameras together to form a unified single view from up to 10 different cameras.



Image Fusion combines camera 1 to 5 into a single view for easier viewing

Success Stories

Industrial



LG Powercom 356CH (Korea)

Hostpital



El Zerayeen Hospital 560CH (Egypt)

Retail



Macanna Inc. 400CH (Taiwan)

Education



Fujian Exam Center 18,000CH (China)

Transportation



RapidKL 670CH (Malaysia)

Government



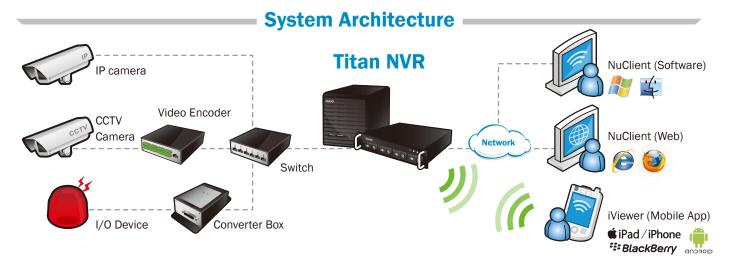
TRE Parana 970CH (Brazil)

Hotel



Cristal Hotel 100CH (USA)





Server Highlights

- Linux embedded
- Support 41 brands of IP manufacturers and over 1125 camera models (Http://support.nuuo.com for details)
- Onvif compatible
- Record up to 64 megapixel cameras (through license upgrade)
- High throughput (250Mbps)*
- NUUO Command Chain Technology Synchronize user accounts across 100 servers through a single server instantl
- Remote server configuration
- Recording in external storage (DAS, iSCSI)

- Centralized I/O and event respond systems
- Dual gigabit Ethernet ports
- Camera Dual (2nd) Stream support (Http://support.nuuo.com for details)
- Backup to FTP
- Support continuous, scheduled, event based and I/O based recording
- Synchronized audio and video recording
- Support full SDK

Client Highlights

- Windows and Mac compatible
- Manage up to 100 servers, 400 channels live view and 100 channels playback simultaneously.
- NUUO Image Fusion Technology stitch up to 10 cameras together to form a consecutive single view for easier viewing
- Immervision Enabled 360° PTZ
- Support Stream Profile for remote live view bandwidth control (Original / 300 kbps / 100 kbps)
- Digital and Optical PTZ
- Popup event playback
- Centralized E-map

- Centralized I/O Panel and Event Panel
- Public View and Private View for each user
- View Tour to loop through selected Views
- Instant Playback
- Save video clips into AVI or ASF format
- Intelligent Search in playback to quickly find the subject of interest
- Twin Clients to support identical, full featured software client and web client
- Joystick

External Supports

- External storage support through 3rd party DAS, iSCSI (Http://support.nuuo.com for details)
- Support up to 256 NUUO I/O boxes (SCB-C24/C26/C28)
- Support APC Uninterrupted Power Supply (Smart-UPS 750 VA / APC Back-UPS 500 ES / APC Smart UPS 1500 / APC Smart UPS 3000)



^{*}Max recording throughput (250 Mbps): Approx. 64ch 5-Megapixel H.264 cameras at 10 fps when server is streaming out 16 channels of live video without playback.

Optimal recording throughput (150 Mbps): Approx. 64ch 2-Megapixel H.264 cameras at 15 fps when server is streaming out 128 channels of live video and 16 channel playback.

Specification

Model		Titan NVR		
Product Image		Tower	Rack-mount 1U	
Part Number	Server	NT- 4040 NT- 4040R		
	IP License	NT-TITAN-UP-01 / NT-TITAN-UP-04 / NT-TITAN-UP-08 / NT-TITAN-UP-12 / NT-TITAN-UP-16		
Max IP License (through upgrade)		64		
Base IP License (included in server)		4		
Server O/S		Embedded Linux		
Video Compression		H.264, MPEG4, MJPEG		
Recording Perfo	ormance	250 Mbps (MAX), 150 Mbps (OPTIMAL) *		
Removable HDD Trays		4x SATA II		
HDD Support		3TB per drive (Max 4 drives)		
RAID		0, 1, 5, 10		
Fytomol Ctorod	DAS (AXUS FIT 300, AXUS FIT 500, PROW		500, PROWARE EP-2123-UA),	
External Storag	е	iSCSI (Promise SmartStor NS4600, Proware EN-3166JS6H-NQ)		
External Ports		6x USB 2.0 (for mouse, UPS); 1x eSATA (for DAS)		
Ethernet (NIC)		2x Gigabits Ports		
Voltage		100 - 240V		
Power Consump	otion	200W		
Dimensions (H	x W x D)	210 x 200 x 320 mm	44.5 x 441 x 428.8 mm	
Weight (without HDD)		5.5 kg (12.13lbs)	6.235 kg (13.75lbs)	
Temperature		0°C ~ 40°C (32°F ~ 104°F)		
Humidity		5 ~ 95 RH		
Supported Language		Chinese (Simplified), Chinese (Traditional), Czech, Dutch, English, Finnish, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese (Brazil), Russian, Serbian, Spanish, Swedish		

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Client System Minimum Requi	rement		
Part Number	NT- 4040	NT- 4040R	
OS	Windows XP (32-bit) / Win7 (32 and 64-bit) / Mac OS X v10.6, 10.7		
CPU	Intel Core 2 Duo, 2.6GHz		
RAM	1GB		
LAN Transmission Speed	10/100/1000 Mbps (RJ45)		
Remote Client	NuClient (Software), NuClient (Web), iViewer (Mobile App)		
Mobile iViewer Platform	∉ iPad∕iPhone 📫 a∩	⊃ROI⊃ *## BlackBerry	

About NUUO

Our core value is to help improve your overall experience in integrating, installing, serving and educating your customers. NUUO is one of the very first pure CCTV manufacturer specializing in development of hybrid and IP recording technologies. There are currently over 97,000 installations worldwide that are secured by our IP and hybrid systems. We promise to continue bring reliability, innovation and excitement to you through passion and dedication.

