NUUO®
Trusted Video Management

SINCE 2004

NUUO CT-8000 Series

End to End • Unified • Software Centric

▸ Rock Solid Rack Mount Server

▸ Annual Upgrade Included

▸ Stable Recording Performance

NUUO IP Appliance

Video Sever

NUUO
IP Appliance

Analog Camera

IP Camera

Network

Remote
Live Viewer
(Software)

Remote
Live Viewer
(Web)

iViewer
(Mobile App)

iPad / iPhone

I/O Device   Access Control   License Plate   Point of Sale   IVS
Recognition

Design Highlights

- Embedded Mainconsole IP+
- Video analysis included - NUUO Smart Guard
- Support advanced video analysis - NUUO IVS
- Professional rack mount server
- 3rd party data party available - Point of sale, access control and LPR
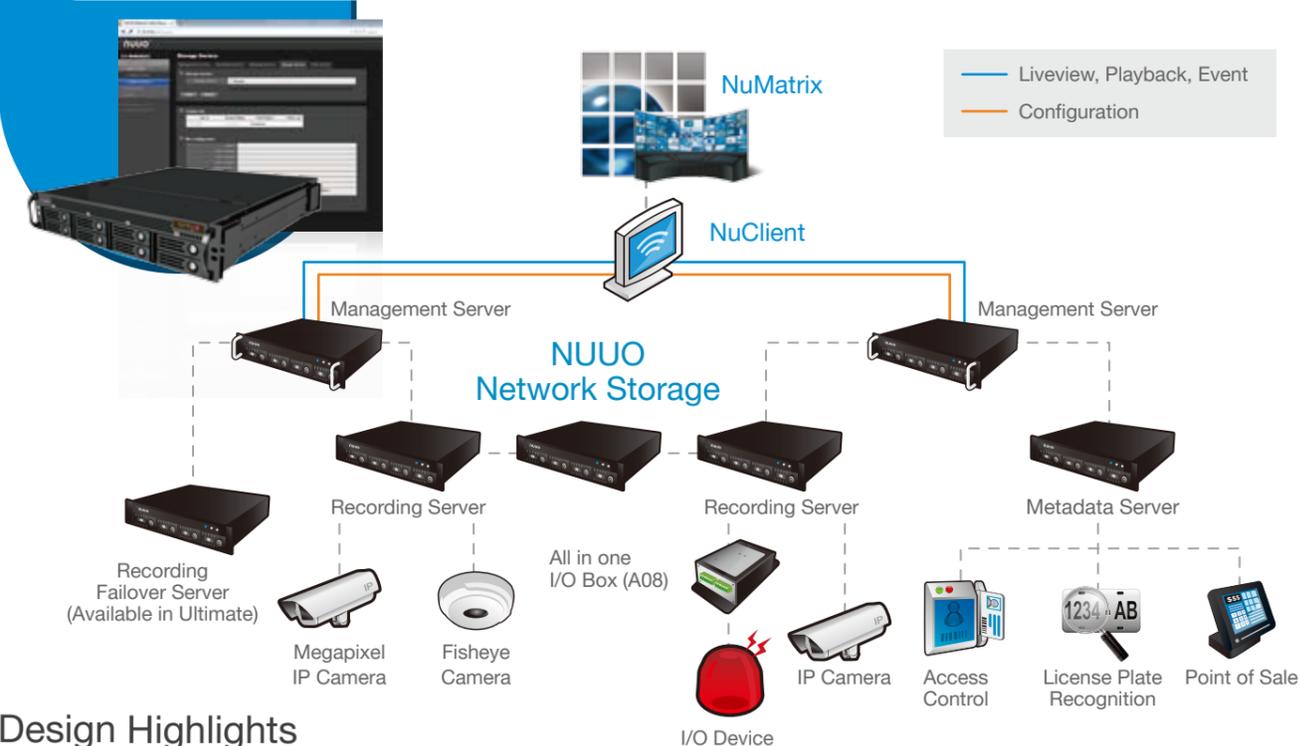
Premiere Feature

- Recording throughput up to 250Mbps
- 128ch remote live video connections
- Storage group for better video and storage management
- Various recording technologies - Boost Recording, Dual Recording, IVS event recording, individual retention condition
- Support auto load balancing and storage group
- Support camera edge storage to automatically or daily retrieve video data from camera to IP Appliance[*1]
- Support camera multi-stream function in both live view and playback
- Watermarking Authentication
- Internal diagnostic service (Available Q3 2015)

- POS, I/O device, LPR and access control integration
- Windows active directory
- Privacy mask
- iPhone, iPad, Android (Liveview, 1CH playback and push notification)
- Dual password validation
- Edge motion detection from IP camera[*1]
- OnGuard (software watchdog)
- Auto backup
- Flexible video recycle management options
- Digital PTZ and camera multi-view
- Friendly GUI recording schedule
- Two-way audio

Specification

Model Name	CT-8000IP-P-25	CT-8000IP-P-32	CT-8000IP-P-36
Type	Rack-mount 2U		
Embedded License	25ch	32ch	36ch
CPU	Intel Core i5-2400 3.1G		
RAM	DDR3-1333 4GB x 2		
Server Operation System	Win7 Ultimate 64bit		
Number of Drives	7xSATA II		
Max Storage Per Drive	4TB		
Max Internal Total Storage	28TB		
Recording Throughput	Up to 250Mbps		
I/O Interface	2 x USB3.0; 2 x USB2.0; 1 x eSATA (for DAS)		
LAN	2 x Gigabit Port, RJ45		
LAN Transmission Speed	10/100/1000 Mbps		
Voltage	100~240V		
Power Consumption	Full loading: 160W Max: 500W		
Dimensions (H x W x D)	88 x 447 x 583 mm		
Weight (without HDD)	13.2 kg (29.1 lbs)		
Temperature (Operating with HDD)	Operating: 0°C~40°C		
Humidity (Operating)	Operating: 5%~95%		
3rd Party Support	Support third party Point of Sale, Access Control and License Plate Recognition		
External I/O Box	External I/O box SCB-A08 (RJ-485 to RJ-45)		

*1. Check http://www.nuuo.com/SupportCamera.php?node_id=4#3 for NUUO Mainconsole camera support list

NUUO Network Storage

NUUO®
Trusted Video Management
SINCE 2004

NuMatrix

Liveview, Playback, Event
Configuration

NuClient

Management Server

NUUO
Network Storage

Management Server

Recording Server   Recording Server   Metadata Server

Recording
Failover Server
(Available in Ultimate)

Megapixel   Fisheye
IP Camera   Camera

All in one
I/O Box (A08)

I/O Device

IP Camera   Access
Control

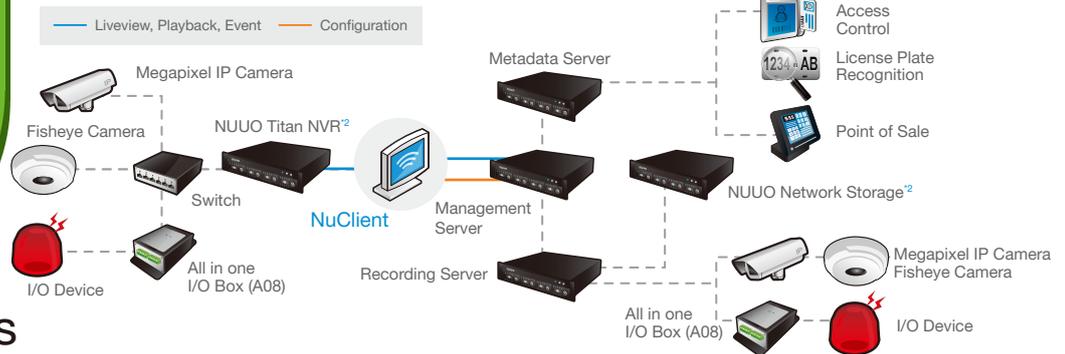License Plate   Point of Sale
Recognition

Design Highlights

- High Recording Throughput up to 500Mbps
- Fully compatible with NUUO Crystal™
- Easy WEB Configuration

Specification

Model Name	CT-8000ES	CT-8000ES-RP
Type	Rack-mount 2U	
CPU	Intel Core i5	
Server Operation System	Linux	
Number of Drives	8xSATA II	
Max Storage Per Drive	4TB	
Max Internal Total Storage	32TB	
RAID Level	RAID 0,1,5,10	
I/O Interface	2 x USB3.0; 2 x USB2.0; 1 x eSATA (for DAS)	
LAN	2 x Gigabit Port, RJ45	
LAN Transmission Speed	10/100/1000 Mbps	
Voltage	100~240V	
Power Consumption	Full loading: 150W Max: 500W	Full loading: 160W Max: 500W (Redundant Power)
Dimensions (H x W x D)	88 x 447 x 583 mm	
Weight (without HDD)	11.4 kg (25.1 lbs)	13.2 kg (29.1 lbs)
Temperature (Operating with HDD)	Operating: 0°C~40°C	
Humidity (Operating)	Operating: 5%~95%	
General		
Network File Protocol	NFS	
Compatible NVR	NUUO Crystal™ (above v3.0.0)	
Hardware Watchdog	Yes	
HDD Compatibility	Refer to http://www.nuuo.com/SupportCamera.php?node_id=12	
Supported Languages (17 languages)	Czech, Chinese(Simplified), Chinese(Traditional), English, Finnish, French, Germany, Italian, Japanese, Korean, Polish, Portuguese (Brazil), Russian, Spanish, Swedish, Thai, Turkish	

NUUO®
Trusted Video Management

www.nuuo.com

NUUO®
Trusted Video Management

www.nuuo.com

NUUO Crystal™ & Titan NVR

—— Liveview, Playback, Event —— Configuration

Access Control
License Plate Recognition
Point of Sale
Metadata Server
Megapixel IP Camera
Fisheye Camera
NUUO Titan NVR[2]
Switch
NuClient
Management Server
Recording Server
NUUO Network Storage[2]
Megapixel IP Camera Fisheye Camera
All in one I/O Box (A08)
I/O Device
All in one I/O Box (A08)
I/O Device

Feature Highlights

Client Highlights

- System Navigator service for Multi-Site management
- Client Camera View Layout Wizard[1]
- Embedded Context Sensitive Manual[1]
- 3rd party data overlay on videos, event search and keyword search[1]
- NUUO Image Fusion Technology –stitch up to 10 cameras together
- NUUO Advanced adjustable fisheye dewarp tool for all fisheye cameras[1]
- Instant Playback on live view, e-map and event list
- Twin Clients to support identical, full featured software client and web client
- Up to 3 channels simultaneous motion search[1]

Server Highlights

- Recording server failover[1]
- Volume group to distribute camera to assigned volumes for load balancing[1]
- Individual Retention Condition (IRC) per device[1]
- Schedule-based and input-triggered boosting record[1]
- Support hardware watchdog and software watchdog[3]
- Camera template management tool[1]
- Support stream profile for remote live view bandwidth control (Original/ 500kbps / 100kbps)
- Camera multiple stream setting support[1]
- Internal diagnostic service[1]
- Watermarking Authentication

Specification

Type	Tower		Rack-mount 1U		Rack-mount 2U		Rack-mount 2U (Redundant Power)	
Model Name	CT-4000	NT-4040	CT-4000R	NT-4040R	CT-8000R	NT-8040R	CT-8000RP	NT-8040RP
Recording Throughput	250 Mbps (MAX), 150 Mbps (OPTIMAL)				CT-8000 Series : 250 Mbps(1 Volume Group) 400 Mbps (2 Volume Group) 550 Mbps (3 Volume Group) NT-8000 Series : 250 Mbps			
Number of Live View Spot-out(Local display)	CT-4000 Series : 4CH per View, View tour to 64CH NT-4000 Series : 1CH per View, View tour to 64CH				16CH per View, View tour to 64CH			
CPU Model	Intel Atom				Intel Core i5			
Number of Drives	4xSATA II				8xSATA II			
Max Storage Per Drive[5]	6TB				6TB			
Max Internal Total Storage[4]	24TB				48TB			
RAID Level	RAID 0, 1, 5, 10				RAID 0, 1, 5, 10			
I/O Interface	6 x USB 2.0 (for mouse, UPS); 1 x eSATA (for DAS)		4 x USB 2.0 (for mouse, UPS); 1 x eSATA (for DAS)		2 x USB3.0; 2 x USB2.0; 1 x eSATA (for DAS)			
LAN	2 x Gigabit Port, RJ45				2 x Gigabit Port, RJ45			
LAN Transmission Speed	10/100/1000 Mbps				10/100/1000 Mbps			
Voltage	100~240V				100~240V			
Power Consumption	Full loading:50W Max: 250W				Full loading: 150W Max: 500W		Full loading: 160W Max: 500W (Redundant Power)	
Dimension (HxWxD)	212 x 200 x 318 mm		45 x 447 x 429 mm		88 x 447 x 583 mm		88 x 447 x 583 mm	
Weight (Without Drive)	5.3 kg (11.7 lbs)		6.0 kg (13.2 lbs)		11.4 kg (25.1 lbs)		13.2 kg (29.1 lbs)	
Temperature	Operating: 0°C~40°C				Operating: 0°C~40°C			
Humidity	Operating: 5%~95%				Operating: 5%~95%			
Supported Languages (17 languages)	Czech, Chinese(Simplified), Chinese(Traditional), English, Finnish, French, Germany, Italian, Japanese, Korean, Polish, Portuguese (Brazil), Russian, Spanish, Swedish, Thai, Turkish							

License Type

License	Part Name	License	Part Name
Ultimate	CT-CAM-ULT CV-CAM-ULT[7]	Point of Sale	CT-POS-Generic
Enterprise	CT-CAM-ENT CV-CAM-ENT[7]	Access Control	CT-ACC-Generic
Professional[6]	CT-CAM-PRO	Upgrade (Enterprise → Ultimate)	CT-CAM-UPU CV-CAM-UPU[7]
Titan Expansion	NT-TITAN-UP	Upgrade[6] (Professional → Enterprise)	CT-CAM-UPE

[1]. Available with Crystal™ Only
[2]. Available with Crystal™ NuClient version 3.0 and above
[3]. Available with CT-8000R(P) and NT-8040R(P)
[4]. Version below v3.0 (not including v3.0), the maximum size of volumn cannot exceed 16TB
[5]. Refer NUUO web site for hard drive compatibility list (http://www.nuuo.com/SupportCamera.php?node_id=12#)
[6] Not available in North America
[7] Pure NUUO Crystal™ Software on VMware vSephere

Compatible Access Control Manufacturers

VAULT FALCO
Lenel United Technologies
Paxton

NUUO®
Trusted Video Management