NUUO®
Trusted Video Management
SINCE 2004

NUUO Crystal™
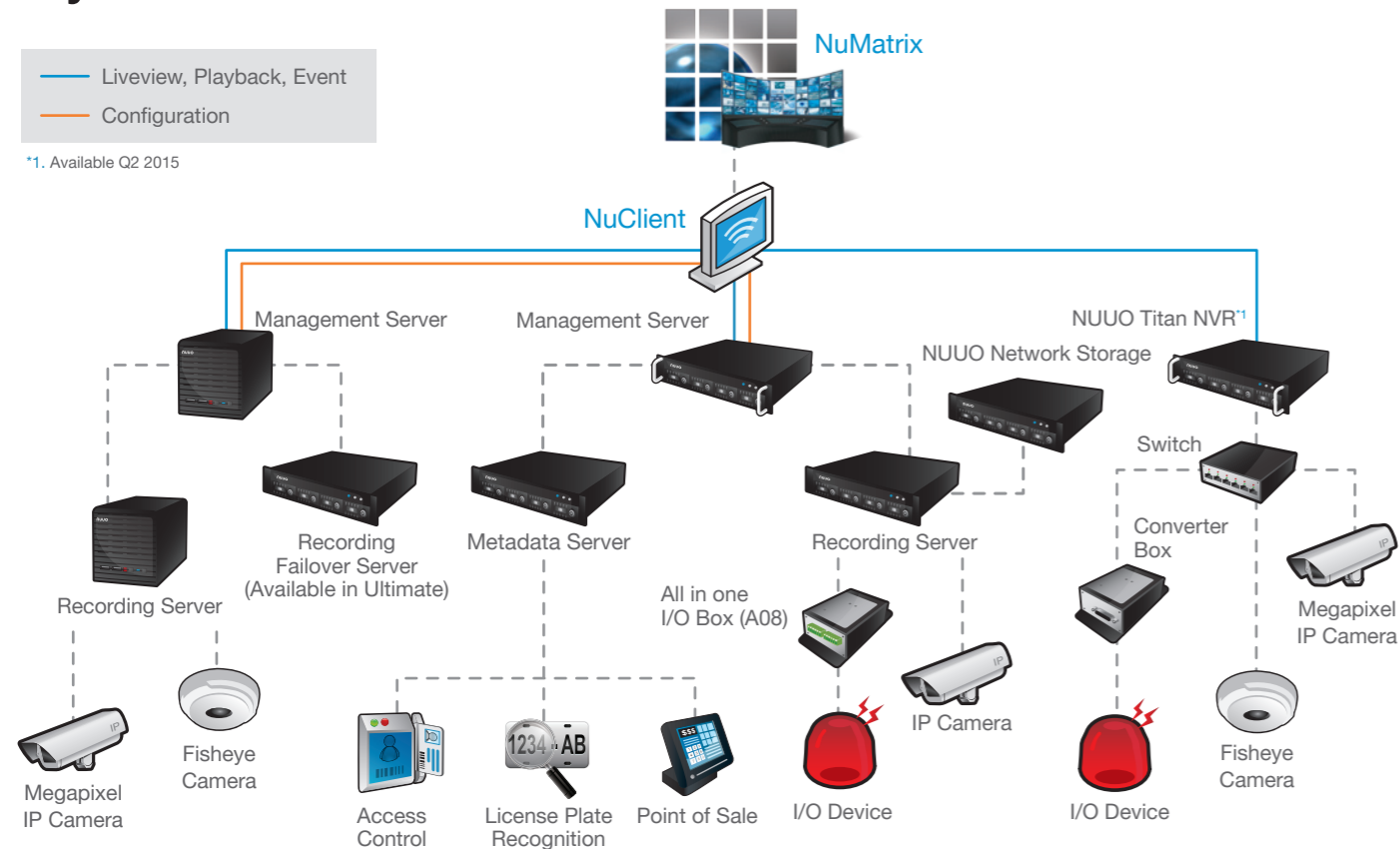
SECURE • POWERFUL • OPEN

Powered by Titan

2014 Award
Best in
Video Surveillance
Management System
ISC WEST

SIA NEW PRODUCT SHOWCASE

PCi Security Standards Council ™

Scalable Solution

Leading Edge Technology

Seamless Integration

System Structure

NuMatrix

Liveview, Playback, Event
Configuration

*1. Available Q2 2015

NuClient

Management Server   Management Server   NUUO Titan NVR*1

NUUO Network Storage

Switch

Recording
Failover Server
(Available in Ultimate)   Metadata Server   Recording Server   Converter
Box

Recording Server   All in one
I/O Box (A08)

Megapixel
IP Camera

Megapixel
IP Camera

Fisheye
Camera

IP Camera   Fisheye
Camera

Megapixel
IP Camera   Access
Control   License Plate
Recognition   Point of Sale   I/O Device   I/O Device

Product Overview

Megapixel Recording

MEGAPIXEL

NUUO Crystal™
Powered by Titan

Ultimate
● Large scale

Enterprise
● Mid-Large scale

Up to **550Mbps**

Professional
● Midddle scale   NEW

Up to **250Mbps**

**NUUO File Ring
Technology**

NUUO Titan NVR

Titan Expansion
● Small scale

NuClient

System
Navigator   Fisheye
Dewarp   Diagnostics
Service

Windows/ Mac Client   Browser   Mobile Apps

iPad
iPhone

Industry Applications

Retail
● Reduce shrinkage
● View & Evaluate day-to-day operations

Industrial
● Process Monitoring
● Mitigate Worker Accident Risks

Healthcare
● Patient and Staff Safety
● Reduce Narcotics Loss

Education
● Campus Safety and Security
● Deter Property Loss

Entertainment
● Visitor and staff's safety
● Reduce frivolous litigation claims

Logistic
● Dispatch line safety
● Reduce cargo theft and damage

Product Matrix

Function \ Product	NUUO Crystal™ Ultimate	NUUO Crystal™ Enterprise	NUUO Crystal™ Professional	NUUO Titan NVR
Max. Camera Channels per Recording Server	64	64	64	64
Number of Stream Out per Recording Server	256	256	256	128
Recording Throughput	Up to 550Mpbs	Up to 550Mpbs	Up to 550Mpbs	Up to 250Mpbs
Recording Server Failover	◆			
Video Wall	◆	◆		
System Navigator	◆	◆	◆	◆
Diagnostics Service	◆	◆	◆	◆
NUUO Fisheye Dewarp	◆	◆	◆	
Central Management	◆	◆	◆	◆
Individual Retention Condition	◆	◆	◆	
Boost Recording	◆	◆	◆	
Multi Stream Setting	◆	◆	◆	
SDK Support	◆	◆	◆	◆
3rd Party Support (POS/ Access Control/ LPR)	◆	◆	◆	
Client Support	Windows/Mac	Windows/Mac	Windows/Mac	Windows/Mac

NUUO Crystal™ Ultimate, Enterprise, and Professional licenses are not compatible with each other.
Only 1 type of license may be installed onto a single management server.

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Specification

Product Image				
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[*1]	6TB		6TB	
Max Internal Total Storage	24TB		48TB	
RAID Level	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			
LAN Transmission Speed	10/100/1000 Mbps			
Voltage	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			
Humidity	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			

[*1] Refer NUUO web site for hard drive compatibility list (http://www.nuuo.com/SupportCamera.php?node_id=12#)

License Type

License		Part Name	License		Part Name
Ultimate	🌐	CT-CAM-ULT CV-CAM-ULT[*3]	Point of Sale		CT-POS-Generic
Enterprise		CT-CAM-ENT CV-CAM-ENT[*2 *3]	Access Control		CT-ACC-Generic
Professional[*2]		CT-CAM-PRO	Upgrade (Enterprise → Ultimate)		CT-CAM-UPU CV-CAM-UPU[*2 *3]
Titan Expansion		NT-TITAN-UP	Upgrade[*2] (Professional → Enterprise)		CT-CAM-UPE

[*2] Not available in North America
[*3] Pure NUUO Crystal™ Software on VMware vSephere

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