

# NUUO Crystal<sup>™</sup>

SECURE • POWERFUL • OPEN

*Powered by Titan*

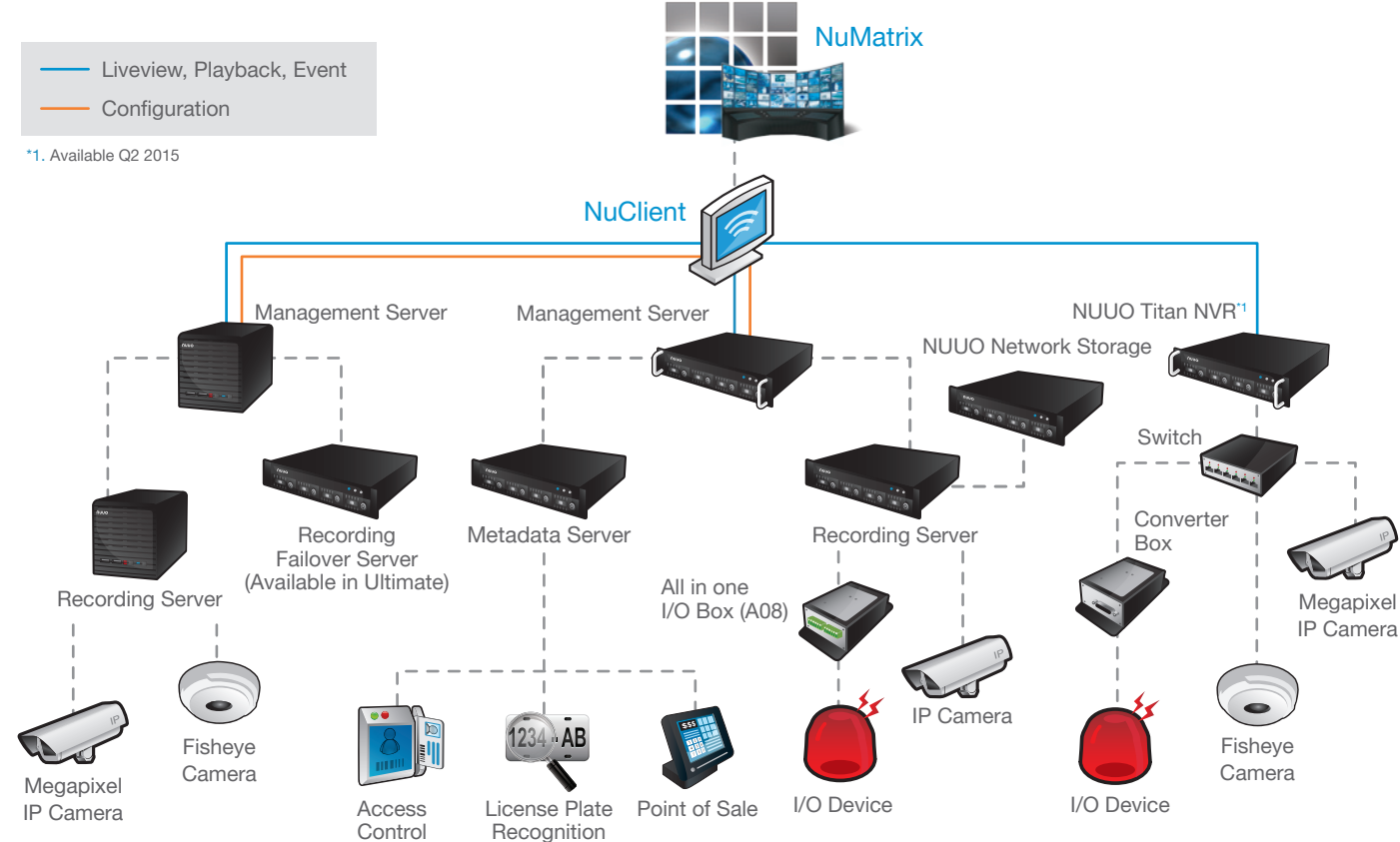


Scalable Solution

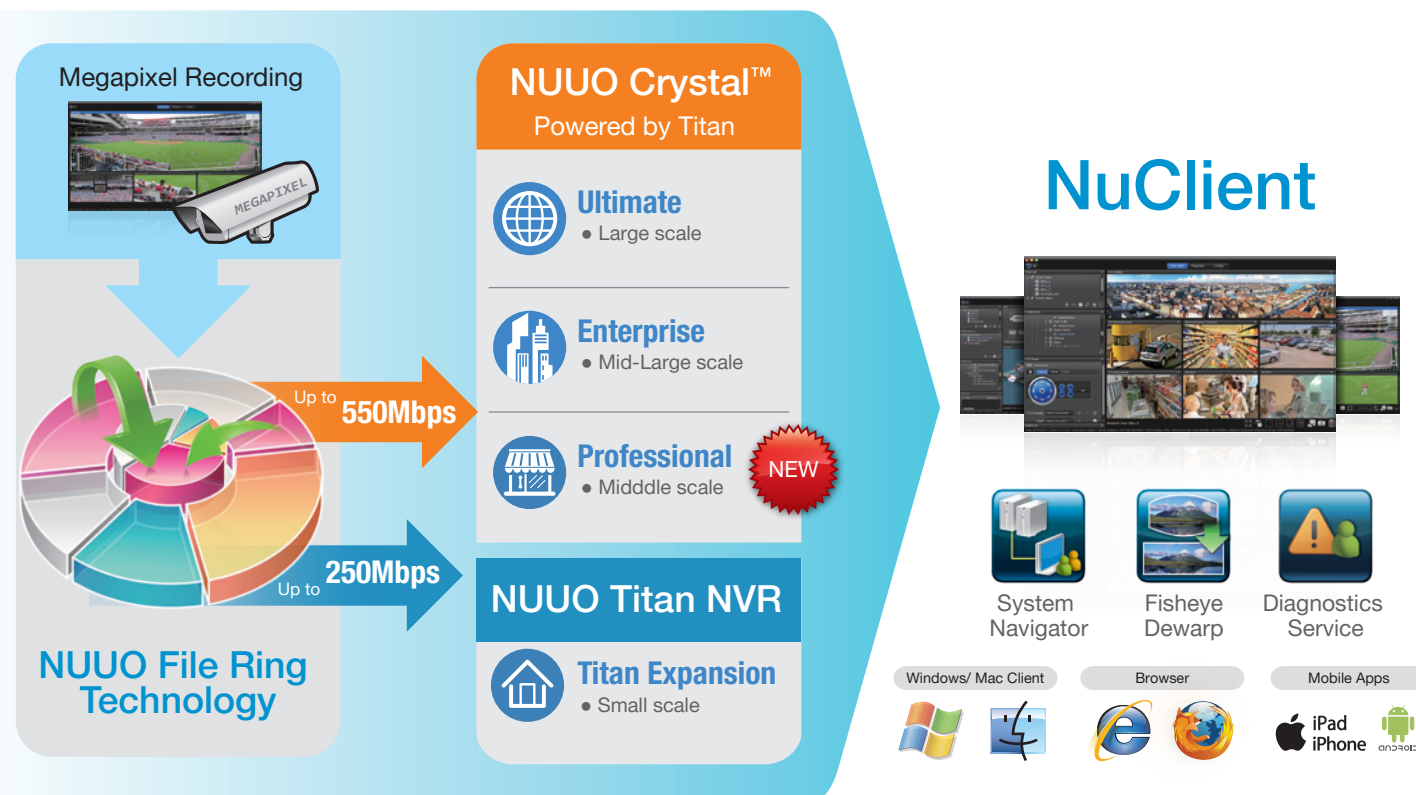
Leading Edge Technology

Seamless Integration

## System Structure



## Product Overview



## Industry Applications

Retail	Industrial	Healthcare
<ul style="list-style-type: none"> <li>• Reduce shrinkage</li> <li>• View &amp; Evaluate day-to-day operations</li> </ul>	<ul style="list-style-type: none"> <li>• Process Monitoring</li> <li>• Mitigate Worker Accident Risks</li> </ul>	<ul style="list-style-type: none"> <li>• Patient and Staff Safety</li> <li>• Reduce Narcotics Loss</li> </ul>
Education	Entertainment	Logistic
<ul style="list-style-type: none"> <li>• Campus Safety and Security</li> <li>• Deter Property Loss</li> </ul>	<ul style="list-style-type: none"> <li>• Visitor and staff's safety</li> <li>• Reduce frivolous litigation claims</li> </ul>	<ul style="list-style-type: none"> <li>• Dispatch line safety</li> <li>• Reduce cargo theft and damage</li> </ul>

## 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 550Mbps	Up to 550Mbps	Up to 550Mbps	Up to 250Mbps
Recording Server Failover	♦			
Video Wall	♦	♦		
System Navigator	♦	♦	♦	♦
Diagnostics Service	♦	♦	♦	♦
NUUO Fisheye Dewarp	♦	♦	♦	♦
Central Management	♦	♦	♦	♦
Individual Retention Condition	♦	♦	♦	
Boost Recording	♦	♦	♦	
Multi Stream Setting	♦	♦	♦	
SDK Support	♦	♦	♦	♦
3 <sup>rd</sup> 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.

# 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 <sup>*1</sup>	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							

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

## License Type

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

<sup>\*2</sup> Not available in North America

<sup>\*3</sup> Pure NUUO Crystal™ Software on VMware vSphere