

# NUUO Mainconsole

FLEXIBLE • INTELLIGENT • POWERFUL



The Flexible Analog & IP Integration Choice

Variable Recording Technologies

Analog & IP Camera Compatible

Seamless 3<sup>rd</sup> Party Integration

Advanced Video Analytics

## Upgrading doesn't Mean Abandoning Old Cameras

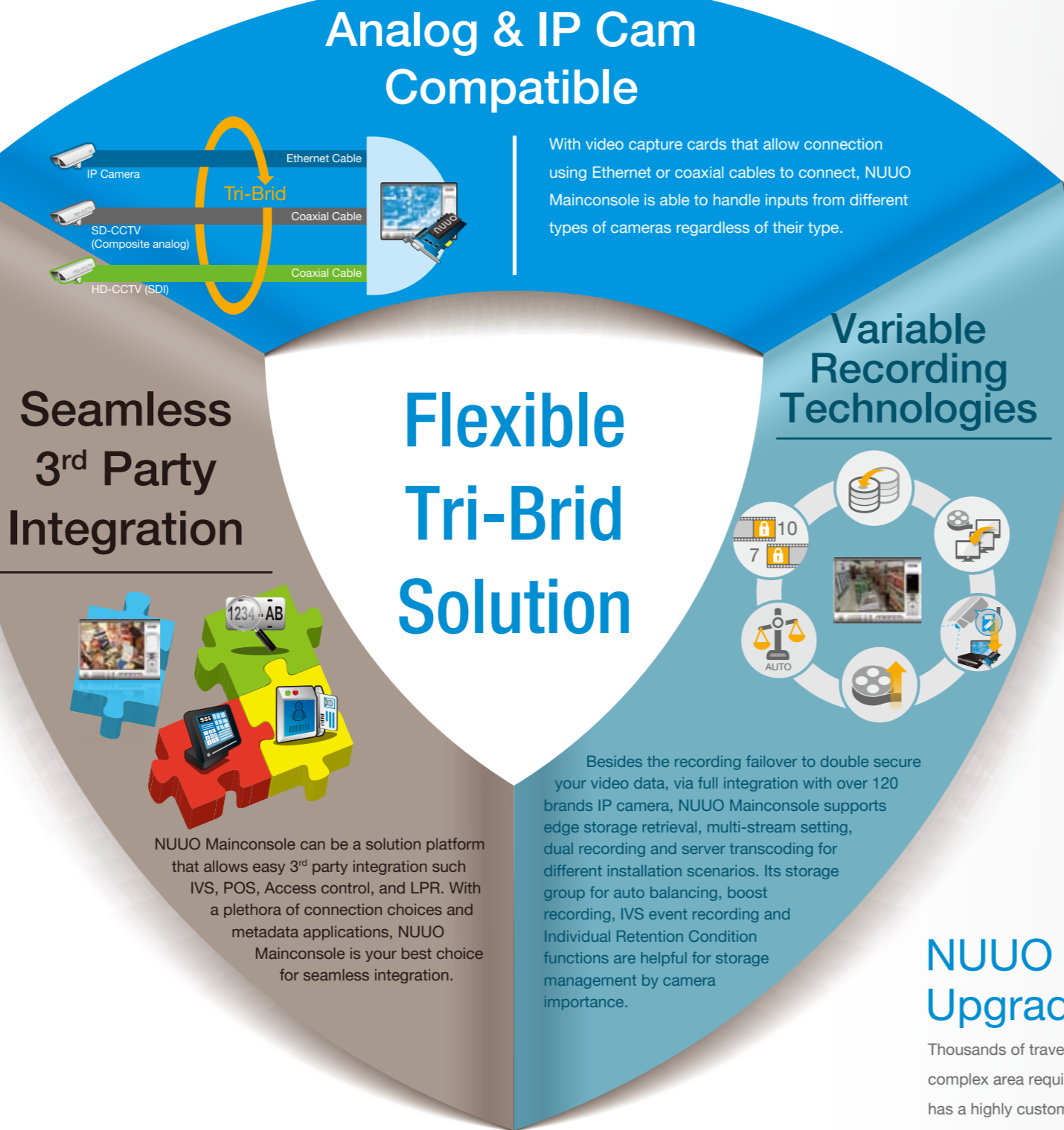
NUUO Mainconsole is the best choice when you have existing older analog systems but wants to upgrade to IP cams. It provides seamless integration between older and newer types of cameras. NUUO Mainconsole is also flexible. Choose from software + certified Rackmount server or software + capture card option or software + capture card + certified hybrid machines to ensure optimum performance. The configuration option is limitless.



## Feature Highlights

- Support up to 96CH camera recording per server<sup>1</sup>
- Support camera edge storage to automatically or daily retrieve video data from camera to Mainconsole server<sup>2</sup>
- Storage group for better video and storage management
- POS , I/O device , LPR and access control integration
- Advanced & embedded video analytics
- Support H.265
- Smart Guard detection of 6 events with 11 instant responses
- Supports camera multi-stream function in both live view and playback
- Counting application
- Supports dual recording
- Playback intelligent search
- RTSP Service for easy integration
- Windows active directory
- Privacy mask
- iPhone, iPad, Android ( Liveview, 1CH playback and push notification)
- E-map
- Digital watermark
- Boost recording
- Dual password validation
- Edge motion detection from IP camera<sup>3</sup>
- OnGuard (software watchdog)
- Failover recording server
- Auto backup
- Flexible video recycle management options
- Digital PTZ and camera multi-view
- Friendly GUI recording schedule
- Two-way audio

<sup>1</sup>. Check [http://www.nuuo.com/SupportCamera.php?node\\_id=4#3](http://www.nuuo.com/SupportCamera.php?node_id=4#3) for NUUO Mainconsole camera support list  
<sup>2</sup>. The maximum number of camera connections depends on the server's hardware configuration and the total bit rate of the IP cameras. Please check NUUO Calculator on <http://www.nuuo.com/wiki.php>



Seamless 3<sup>rd</sup> Party Integration



NUUO Mainconsole can be a solution platform that allows easy 3<sup>rd</sup> party integration such IVS, POS, Access control, and LPR. With a plethora of connection choices and metadata applications, NUUO Mainconsole is your best choice for seamless integration.

## Analog & IP Cam Compatible

With video capture cards that allow connection using Ethernet or coaxial cables to connect, NUUO Mainconsole is able to handle inputs from different types of cameras regardless of their type.

## Variable Recording Technologies



Besides the recording failover to double secure your video data, via full integration with over 120 brands IP camera, NUUO Mainconsole supports edge storage retrieval, multi-stream setting, dual recording and server transcoding for different installation scenarios. Its storage group for auto balancing, boost recording, IVS event recording and Individual Retention Condition functions are helpful for storage management by camera importance.



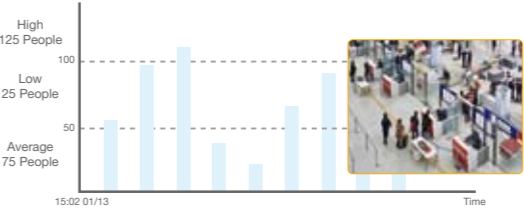
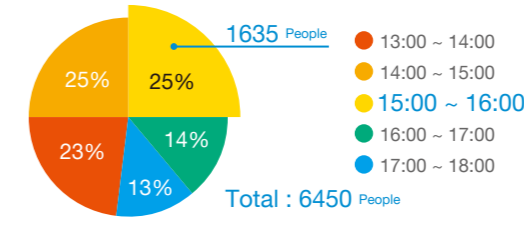
## NUUO Mainconsole Save Bank Upgrade Cost

Thousands of travelers pass through airports every day, managing such a highly complex area requires a flexible and efficient surveillance system that scales well, has a highly customizable alarm system, and efficiently runs backups. In our Italian client's case, they deployed NUUO Mainconsole hybrid solution along with NUUO CMS to centrally monitor all the cameras from video matrix and oversee alarm events with E-map alarm response system. Adopt NUUO CMS to manage your large scale projects and experience the same benefits starting now.

Client Case Study

## Intelligent Video Surveillance

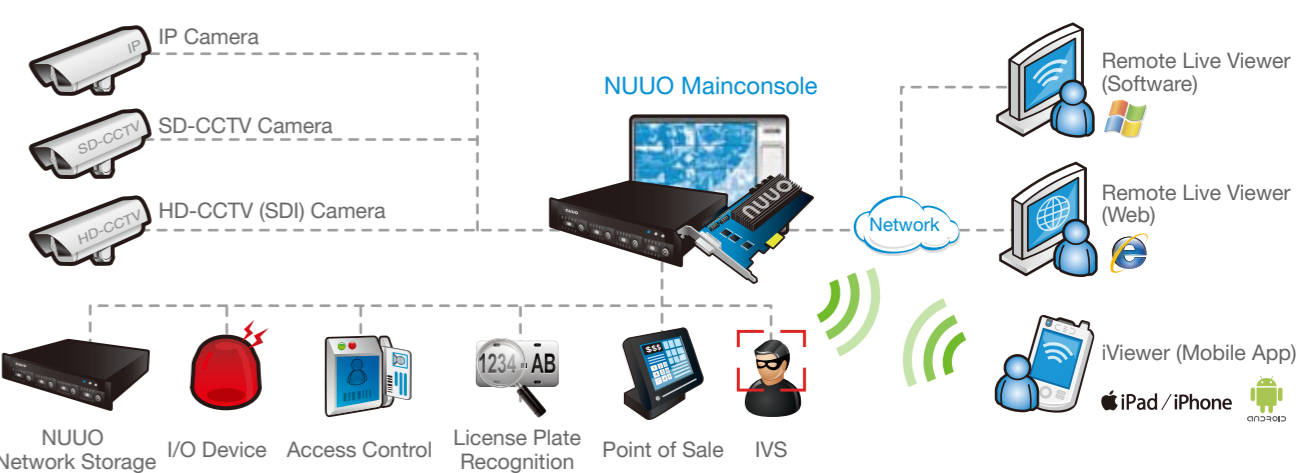
- Compatible with thermal, analog and IP camera
- Video centric business intelligent report
- Central IVS alarm management



Part Number	SCB-IP-P-IVS COUNTING	SCB-IP-P-IVS PRESENCE	SCB-IP-P-IVS SURVEILLANCE	SCB-IP-P-IVS ADVANCED
Function				
Number of Detection Zones or Lines	40	40	40	40
People Counting	+			+
Tamper Detection	+	+	+	+
Camera Calibration			+	+
Object Classification			+	+
Camera Shake Elimination		+	+	+
Presence (Tripwire)		+	+	+
Enter and Exit			+	+
Appear and Disappear			+	+
Dwell			+	+
Tailgating			+	+
Stop			+	+
Direction			+	+
Abandoned / Removed Object <sup>3</sup>			+	+
Heatmap Report <sup>4</sup>	+	+	+	+
Counting Report <sup>4</sup>	+			+

<sup>3</sup>. Abandoned / Removed Object is available with NUUO Mainconsole v5.0.22 or later version  
<sup>4</sup>. Heatmap / Counting Report is available with NUUO Mainconsole v6.0 or above

## System Architecture






# Specification

## IP+ NVR




Product Image									
Model Name	SCB-IP+01	SCB-IP+04	SCB-IP+08	SCB-IP+12	SCB-IP+16	SCB-IP+25	SCB-IP+32	SCB-IP+36	SCB-IP+64
IP License	1	4	8	12	16	25	32	36	64 <sup>*1</sup>

\*1. The maximum number of camera connections depends on the server's hardware configuration and the total bit rate of the IP cameras. Please check NUUO Calculator on <http://www.nuuo.com/wiki.php>

## IP Appliance

Product Image			
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		
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%		
3 <sup>rd</sup> 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)		

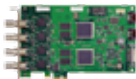
## Hybrid Appliance

Product Image			
Model Name	NH-4500-PRO	NH-4500-ENT	NH-4500-EXT
CPU Model	Intel Haswell i5-4570S, 2.9GHz	Intel Haswell i7-4770S, 3.1GHz	Intel Xeon E5-2620, 2.0GHz
Maximum Channel	64		
Capture Card	SCB-6000S, SCB-7000S, SCB-7100, SCB-8000 Series		
Recording Performance	Please use our online calculator tool for estimation: <a href="http://www.nuuo.com/calculator/">http://www.nuuo.com/calculator/</a>		
Operating System	Windows 7 Professional 64 bit / Windows 7 Ultimate 64 bit		
Compression	H.264, MPEG-4, MJPEG, MxPEG (depends on IP camera)		
Remote Client	Remote Live Viewer (Software), Remote Live Viewer ( Web), iViewer (Mobile App)		
Remote Client OS	Windows 2008, Windows XP (32-bit), Vista (32-bit), Win7, Win8, Win8.1 (32 and 64-bit)		
Mobile Client Platform	iPhone, iPad, Android		
HDD Bays	4 bays	6 bays	8 bays
External Storage	iSCSI		
Ethernet Port	2 x Gigabit Ports, RJ45		
External Ports	2x USB 3.0, 4x USB 2.0	2x USB 3.0, 4x USB 2.0	2x USB 3.0, 6x USB 2.0
Audio	Two - way		
Voltage	100 - 240V		
Power Consumption	400w	400w	700w
Dimensions (H x W x D)	177 x 482 x 502 mm	177 x 482 x 502 mm	177 x 482 x 600 mm
Weight (without HDD)	17.6 kg (38.8lbs)	17.6 kg (38.8lbs)	21 kg (46.2 lbs)
Temperature (Operating with HDD)	0° C ~ 40°C (32°F ~ 104°F)		
Humidity (Operating)	5% ~ 95%		
Supported Languages	Albania, Bulgarian, Chinese (Simplified), Chinese (Traditional), Croatian, Czech, Danish, Dutch, English, Farsi, Finnish, French, German, Hebrew, Hungarian, Italian, Japanese, Korean, Norway, Polish, Portuguese (Brazil), Portuguese (Portugal), Romanian, Russian, Serbian, Slovak, Slovenian, Spanish, Swedish, Thai, Turkish		




# Specification

## Capture Cards


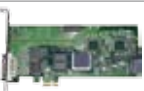

### HD SDI H.264 Hardware Compression Capture Card SCB 8000 Series

Model Name	SCB-8004HD
Video Inputs	4
Max. Cards Per Server	4 (can be with 6000S/7000S series for more channels)
Display Rate (NTSC/PAL)	120 fps @ 1080p / 100 fps @ 1080p
Recording Rate	120 fps @ 1080p
Power Consumption	20W
Video Resolution	1080p, 720p
Dimensions (W x H)	178 x 126 mm
Product Image	

### H.264 Hardware Compression Capture Card SCB 7000S Series

Model Name	SCB-7004S	SCB-7008S	SCB-7016S
Video/Audio Inputs	4 / 4	8 / 8	16 / 16
Max. Cards Per Server	4	4	4
Display Rate (NTSC/PAL)	120 / 100 fps	240 / 200 fps	480 / 400 fps
Recording Rate [D1] (NTSC/PAL)	120 / 100 fps	240 / 200 fps	480 / 400 fps
Power Consumption	7W	8W	9W
Video Resolution	NTSC : 176 x120, 352 x 240, 704 x 480, PAL : 176 x 144, 352 x 288, 704 x 576		
Dimensions (W x H)	188 x 121 mm		
Product Image			

### H.264 Hardware Compression Capture Card SCB 6000S Series

Model Name	SCB-6004S	SCB-6008S	SCB-6016S
Video/Audio Inputs	4 / 4	8 / 8	16 / 16
Max. Cards Per Server	4	4	4
Display Rate (NTSC/PAL)	120 / 100 fps	240 / 200 fps	480 / 400 fps
Recording Rate [CIF] (NTSC/PAL)	120 / 100 fps	240 / 200 fps	480 / 400 fps
Recording Rate [D1] (NTSC/PAL)	30 / 25 fps	60 / 50 fps	120 / 100 fps
Power Consumption	7W	8W	9W
Video Resolution	NTSC : 176 x120, 352 x 240, 704 x 480, PAL: 176 x 144, 352 x 288, 704 x 576		
Dimensions (W x H)	188 x 121 mm		
Product Image			

#### About NUUO

Founded in 2004, NUUO Inc. is one of the leading global surveillance solution providers known for its reliability, prompt service and innovative spirit. NUUO's VMS and NVR solutions offer comprehensive recording, monitoring, and seamless 3<sup>rd</sup> party solution integration for IP and analog cameras.