












# Mainconsole

IP, HD-CCTV and SD-CCTV Cameras



- |  |  |   |   |  |   |  |   |   |   |
|--|--|---|---|--|---|--|---|---|---|
| <br>E-map              | <br>POS                            | <br>128CH Remote Live View          | <br>Digital PTZ     | <br>Stream Profile & Transcoding | <br>Disk Load Balancing | <br>Smart Search              | <br>LPR           | <br>IVS                 | <br>Failover                |
| <br>Digital Watermark | <br>Multi-Platform Mobile Clients | <br>Smart Guard Embedded Analytics | <br>Access Control | <br>Boost Recording             | <br>Privacy Mask       | <br>Windows Active Directory | <br>Auto Back-up | <br>10 Alarm Responses | <br>Triple Monitor Display |

## IP Camera Partners



## Solution Partners



## Technology Partners



## Design Highlights

### Intelligent Video Surveillance

NUUO Intelligent Video Surveillance (IVS) system provides advanced, accurate video analytic for both IP and analog cameras. The IVS engine can track, classify and analyze the behavior of individual or group of objects over long distance to greatly improve parameter security and monitoring efficiency.



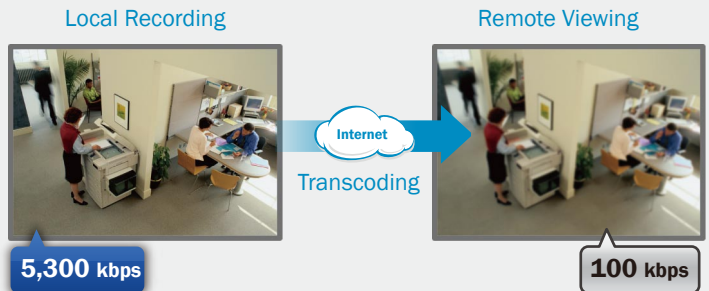
NUUO IVS in Retail solution: Virtual tripwire – detect perimeter intrusion, unauthorized access to counter or secure zones; monitor instantaneous customer volume...and more other functions.

### Transcoding

NUUO Mainconsole transcoding function enables customer easily record and stream with different resolution and frame rate. You can transcode high bandwidth video streams into a much lower one for internet viewing. Enjoy every pixel you paid and regardless of whether IP megapixel or HD-SDI analog cameras you use.

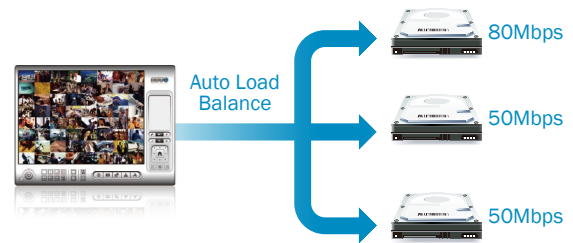
Mode	Resolution	Frame rate	Bandwidth*
Recording	1920X1080	30fps	5,300 kbps
Remote viewing (after transcoding)	320X240	10fps	100 kbps

\*Actual bandwidth varies by scene complexity.

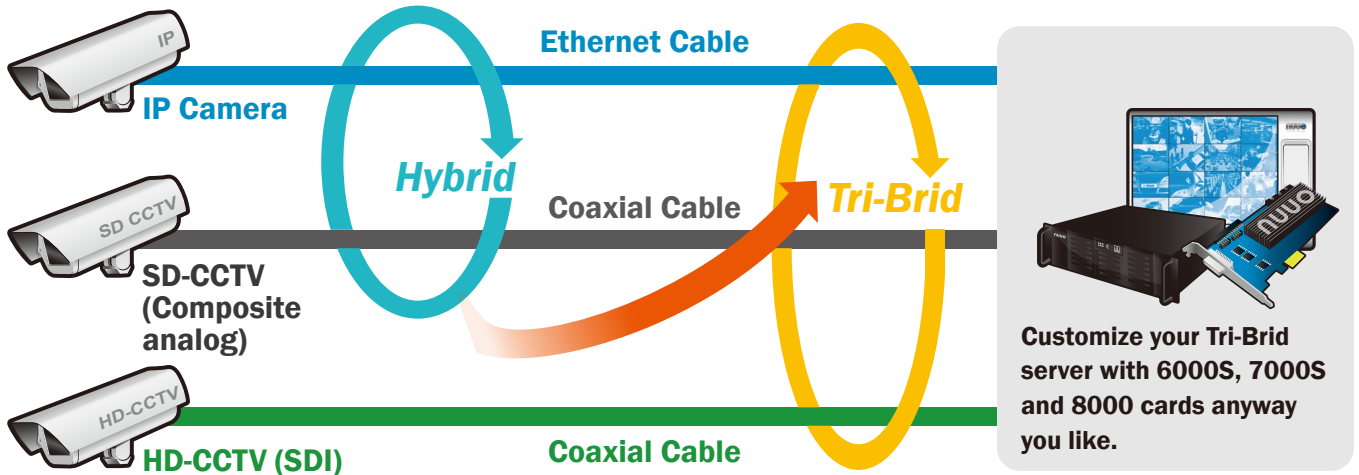


### Auto Load Balance and Auto Backup

Auto load balance increases the data writing and reading efficiency, and optimizes HDD recording performance. The recorded data can be backed up automatically to external storages, including DAS, SAN, iSCSI, following pre-defined schedule.



### Tri-Brid Solution

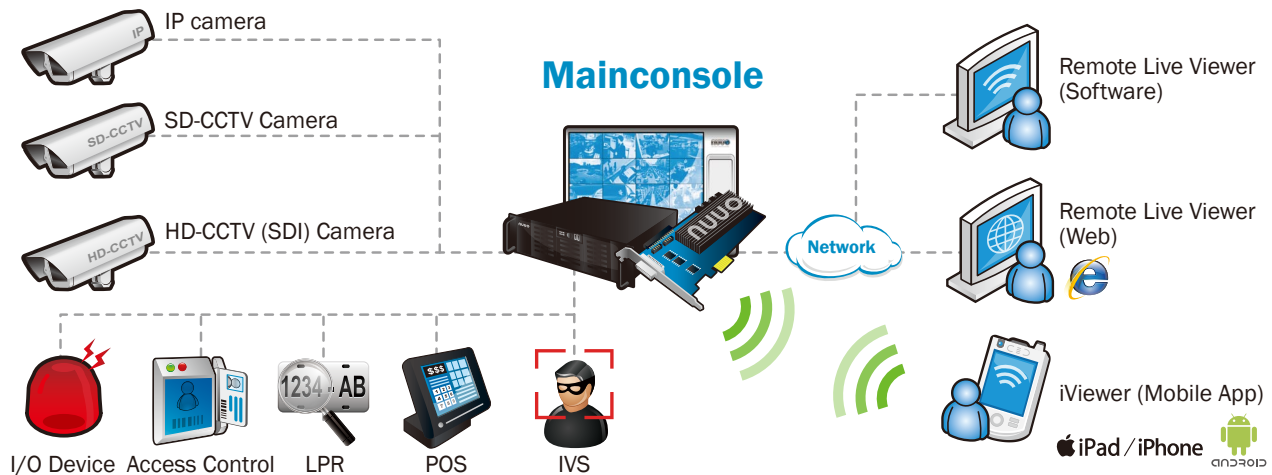


### Feature Highlights

- POS , I/O device , LPR and access control integration
- Smart Guard detection of 6 events with 10 instant responses
- Advanced Intelligent Video Surveillance with 4 types of counting filter and 8 types of video surveillance analytics
- Counting application
- Playback intelligent search
- Windows Active Directory
- Privacy Mask
- iPhone, iPad, Android apps
- E-map
- Digital watermark
- Boost recording
- Edge motion detection from network camera\*
- OnGuard (Software Watchdog)
- Failover Recording Server
- Auto backup
- Digital PTZ and camera multi-view
- Friendly GUI recording schedule
- Two-way audio
- Immersion Enabled 360° PTZ

\*Check <http://support.nuuo.com> for Mainconsole camera support list

## System Architecture



## Specification

### IP+ NVR

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*


\* 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://support.nuuo.com/calculator/>

### Hybrid Appliance



	North America Only			International (Exclude North America)
Product Image				
Model Name	NH-4000 Professional	NH-4000 Enterprise	NH-4000 Extreme	NH-4100
CPU Model	Intel® Core™ i3-2120 Processor (3M Cache, 3.30 GHz)	Intel® Core™ i7-2600 Processor (8M Cache, 3.80 GHz)	Intel® Xeon® Processor E5620 (12M Cache, 2.40 GHz) x 2	Intel® Core™ i5-2400 Processor (6M Cache, 3.40 GHz)
Maximum Channel	64			
Capture Card	SCB-6000S, SCB-7000S, SCB-7100, SCB-8000 Series			
Recording Performance	D1 @ 480 fps + 1.3M @ 120 fps	D1 @ 960 fps + 1.3M @ 320 fps/ D1 @ 1920 fps/ 1.3M @ 420 fps	D1 @ 960 fps + 1.3 @ 500 fps / D1 @ 1920 fps / 1.3M @ 500 fps	D1 @ 960 fps + 1.3M @ 240 fps/ D1 @ 1920 fps/ 1.3M @ 360 fps
Operating System	Windows 7 64 bit Professional			
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 (32 and 64-bit)			
Mobile Client Platform	iPhone, iPad, Android			
HDD Bays	4 x SATA II		8 x SATA II	4 x SATA II
RAID Level	Requires independent RAID controller card			
External Storage	iSCSI (Proware SB-3164E-G1S3 3U, Promise VessRAID 1730i 2U )			
Ethernet Port	1 x Gigabit Ports, RJ-45 / 2 x Gigabit Ports, RJ-45 (Optional)		2 x Gigabit Ports, RJ-45	
External Ports	2x USB 3.0, 8x USB 2.0			6 x USB 2.0, 2 x COM
Audio	Two - way			
Voltage	100 - 240V			
Power Consumption	500W		650W	400W
Dimensions (H x W x D)	528.3 x 482.6 x 177.8 mm		670.0 x 482.6 x 177.0 mm	528.0 x 481.8 x 176.8 mm
Weight (without HDD)	24.9 kg (55 lbs)		29.4 kg (65 lbs)	17.1 kg (37.7 lbs)
Temperature (Operating)	0° C ~ 40° C (32° F ~ 104° F)			
Humidity (Operating)	5% ~ 95%			
Supported Languages	Bulgarian, Chinese (Simplified), Chinese (Traditional), Czech, Danish, English, Farsi, Finnish, French, German, Hebrew, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese (Brazil), Portuguese (Portugal), Romanian, Russian, Serbian, Slovak, Spanish, Swedish, Thai, Turkish			

# Capture Cards




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

Model Name	SCB-8004HD
Video Inputs	4
Max. Cards Per Server	2 (can be with 6000S/7000S series for more channels)
Display Rate (NTSC/PAL)	120 fps @ 1080p / 100 fps @ 1080p
Recording Rate	120 fps @ 1080p
Video Resolution	1080p, 720p
Dimensions (W x H)	178 x 126 mm
Product Image	




## H.264 Hardware Compression Capture Card SCB 7100 Series

Model Name	SCB-7108	SCB-7116
Video Inputs	8	16
Audio Inputs	8	16
Max. Cards Per Server	1 (can be with 6000 / 6000S / 7000 / 7000S series for more channels)	
Display Rate (NTSC/PAL)	240 / 200 fps	480 / 400 fps
Recording Rate [D1] (NTSC/PAL)	240 / 200 fps	480 / 400 fps
TV Output Rate	25fps (RCA only), 14fps (Digital Port only), 10fps (RCA & Digital Port)	
TV Output	RCA connector x2, Digital Port connector x1	
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)	216 x 126 mm	
Product Image		

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

Model Name	SCB-7004S	SCB-7008S	SCB-7016S
Video Inputs	4	8	16
Audio Inputs	4	8	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
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 Inputs	4	8	16
Audio Inputs	4	8	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
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 & MPEG4 Software Compression Capture Card SCB 3000 / 1000 Series

Model Name	SCB-3004	SCB-3008	SCB-3016	SCB-1004	SCB-1008
Video Inputs	4	8	16	4	8
Audio Inputs	4	4	4	1	1
Max. Cards Per Server	2	2	2	4	4
Display Rate (NTSC/PAL)	120 / 100 fps			30 / 25 fps	
Recording Rate [CIF] (NTSC/PAL)	120 / 100 fps			30 / 25 fps	
Video Resolution	NTSC : 352 x 240, 640 x 480, 704 x 480, PAL : 352 x 288, 640 x 576, 704 x 576				
Dimensions (W x H)	200 x 120 mm			155 x 120 mm	
Product Image	