



# H.264+

## DVR 5IN1 SYSTEM

AHD / TVI / CVI / CVBS / IPC SYSTEM SUPPORT

**2MP** PIXEL   
Video Recorder

-  5IN1 Camera System Support
-  H.264+ Compression
-  HDMI Interface
-  USB Port
-  Cloud(P2P)
-  CMS Support
-  Mobile APP
-  Free DDNS



## Specification

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## Feature

- DVR 5-in-1 (AHD, CVI, TVI, CVBS, IPC), H.264
- Resolution 1080P Lite, 720P, 720P lite, WD1 real time
- Recording 1080P Lite@12ps, 720P lite@25fps x8+ IPC x1 (Max. 1080P@25fps)
- BNCx8, HDMIx1, VGAX1, Audio in x1, Audio out x1, RJ45x1, USBx2
- HDD x1 (Max. 10Tb.)
- OSD language Support Thai, English, Chinese Etc.
- N9000 menu, 4G,Cloud P2P (QRCODE)
- Two-Way-Audio Support
- Backup Mode Network, USB hard Disk / AVI
- Cloud / DDNS / FTP / Wireless / Onvif Supported
- Power Supply DC12V/1500mA

## Software Version

- Mainboard Version TW2108TS-CL(V1.01/N9000)
- Hardware Version 20041-V1.01
- Kernel Version I686-HAC2-HAD5
- FW Version 1.2.9.2R0.
- Onvif Version 17.06
- Plugin Version 2.1.2.110
- Build Date 1.6.0 buikd20170725

# H.264+

Model	HA-98508-V1
Video System	5-in-1 (AHD, CVI, TVI, CVBS, IPC)
Video Compression	H.264 standard high profile
Video Standard	PAL/NTSC
Auto Detect Signal	Supported Auto (TVI,AHD,CVBS), CVI manual
Stream Type	Support Dual stream
Bitrate Control	CBR, VBR
GOP	Supported
Recording Resolution	1080P lite, 720P, 720P, lite WD1
Bitrate	32Kbps-4Mbps
Main Stream	1080P Lite (960x1080)@12fps bitrate max. 4096 kbps. 720P@12fps bitrate max. 4096 kbps. 720P liteP@25fps bitrate max. 4096 kbps. WD1@25fps bitrate max. 4096 kbps.
Substream	704x576, 352x288@12fps bitrate max. 1024Kbps
Record Quality	adjustable (lowest, lower, medium, higher, highest)
IPC Input	x1 (1080P, 960P, 720P@25fps Max.3 Mbps)
<b>Viewing</b>	
Split liveview Mode	Layout 1/4/6/8/9, Full screen
Customize Display Modes	Supported
Local Playback	Layout 1/4/8 Full screen
IE Split liveview Mode	Layout 1/4/8/9, Full screen
Network Playback	Layout 1/4/9, Full screen
E-Zoom	Supported live view&playback mode
Dwell	Supported manual dwell (5 secs, 10 secs., 15 secs, 20 secs, 30 secs, 40 secs, 1 min)
Privacy Mask	Supported (Max. 4 area/Ch.)
Instant Playback	Supported (6 Mins ago)
Fast Playback	Supported (5, 10, 30 secs ago, 1 min ago, 5 mins ago)
Fast Manual Record	Supported
Fast Snapshot	Supported
Fast PTZ Control	Supported
OSD Setting&Control	Supported
Water Mask	Supported
No Image When logout	Supported
Fast Image Setting	Supported (adjust camera parameters and lens control)
Record Status	Supported
Alarm Status	Supported
Disk Status	Supported
Network Status	Supported
Information Status	Supported
<b>Audio</b>	
Audio Compression	G.711A
Two-Way-Audio	Support (take up channel one audio input)
<b>Record</b>	
Recode Mode	Auto, manual, event mode, schedule mode
Recode Type	Motion, sensor, always(24x7), manual,analytics
Manual Recording Mode	Supported (1 min, 5 mins, 10 mins, 20 mins, 30 mins, 40 mins, 50 mins, 1 hr, 2 hrs, 5 hrs, manual)
Cycle Record	Supported
Pre-Record	Supported (3 secs, 5 secs, disable)
Post-Record	Supported (5 secs, 10 secs, 30 secs, 1min, 2 mins, 5 mins, 10 mins)



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Model	HA-98508-V1
Record Expiration Time	Supported (Never expired, 1 day, 2 days, 3 days, 4 days, 5 days, 6 days, 7 days, 14 Days, 21 days, 30 days, 60 days, 90 days, customization)
Record Status	Supported
<b>HDD</b>	
HDD Management	Format
Record Period	Supported
Disk Info	Supported
S.M.R.T Information	Supported
Playback HDD	Supported playback directly from HDD with software RPAS
<b>Search and Backup</b>	
Search Modes	By time-slice image, by time, by event, tag management, image management,
Search Types	Manual, sensor, intelligent, motion, schedule
Playback Function	Full screen, stop, rewind, pause, slow play 1/32, fast play 1/32, 30secs ago, 30 secs later
Sync Playback	Supported
Water Mask	Supported
OSD Off	Supported
E-Zoom	Supported
Event List	Supported
Add Tag Function	Supported
Backup Mode	Network, USB hard Disk
Backup Format	AVI, Private format
Software Player	Supported (user can load from DVR when backup file with private format)
Backup Status	Supported
<b>Alarm</b>	
Alarm Mode	Motion, video loss, alarm out (IPC), sensor alarm (IPC)
Intelligent Mode	Object detection, triple wire, intrusion, exception for IPC only
Alarm Schedule	Supported
Exception Alarm	IP conflict, disk error, disk full, no disk, illegal access, network disconnection, HDD is pulled out
Alarm Tringgering	Record, snapshot, push, alarm-out, preset, buzzer, pop-up video, email
Alarm Status	Supported
<b>Network</b>	
Total Send Bandwith	18Mb.
Netwok Protocol	TCP/IPv4, IPv6, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP, NAT, HTTP, HTTPS, RTSP, NAT, SNMP, NTP, DST Supported (d2.autonat.com:20002)
NAT	Supported cloud P2P, QRCODE (www.autonat.com)
Cloud	Hiview.org, autoddns, 88ip, meibu, dyndns, no-ip, dvrddns, mints, 3322
DDNS	Supported
FTP	Supported
Wireless	Supported 3G-WCDMA, 3G-ECDO, 4G
Onvif	Supported
Mobile Monitoring	Support iOS, Android (Superliveplus)
Network Status	Supported
IPC Plannning Function	Supported
<b>PTZ Function &amp; Control</b>	
COC / UTC	Supported



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Preset	1-128 Preset
Crusie	8 Cruise
PTZ Protocol	PELCOP, PELCOD, LILIN, MINKING, NEON, STAR, VIDO, DSCP, VISCA, TVT, COC
Baud Rate	110, 300, 600, 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200, 230400, 460800, 921600
Address	1-255
System & Security	
OSD language	Support Thai, English, Chinese Etc.
GUI Style	N9000 Style
User Interface	IE, App (superliveplus), NVMS-1000, NVMS 2.0
Start Up Wizard	Supported
TV-Wall	Support (Optional)
App live Self-Adaptive	Supported
Output Dwell	Supported Auto dwell (1min, 3 mins, 5 mins, 10 mins, 30 mins)
View Log	Support Log, Event Log & Export
Factory Default	Supported
IPC Upgrade	Supported (via DVR)
System Upgrade	Supported USB, Network
Backup and Restore	Supported
Auto Maintenance	Supported (1-99 days)
Block/Allow List	Supported (IP, MAC)
Account Management	Supported
Online User Checking	Supported
Hardware Interface	
BNC Video Input	x8 (BNC)
HDMI Output	x1 (1920x1080P, 1280x1024, 1024x768)
VGA Output	x1
Audio Input	x1 (RCA)
Audio Output	x1 (RCA)
HDD	x1 (Max. 10TB)
RJ45	x1 (10/100M Mbps)
USB 2.0	x2
Alarm Buzzer	x1
Power Input	x1 DC12V
Others	
Power Supply	DC12V/1500mA
Power consumption	<5W (without HDD)
Working environment	-10°C to +50°C
Working Humidity	10% to 90%
Dimension	254.50x233.0x45.40mm.
Weight	Approx.

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