



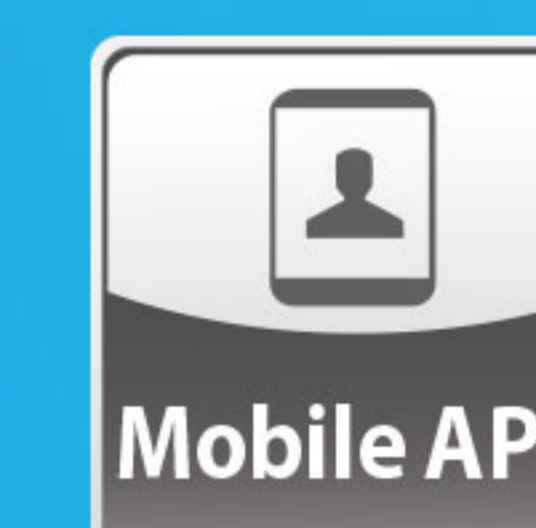
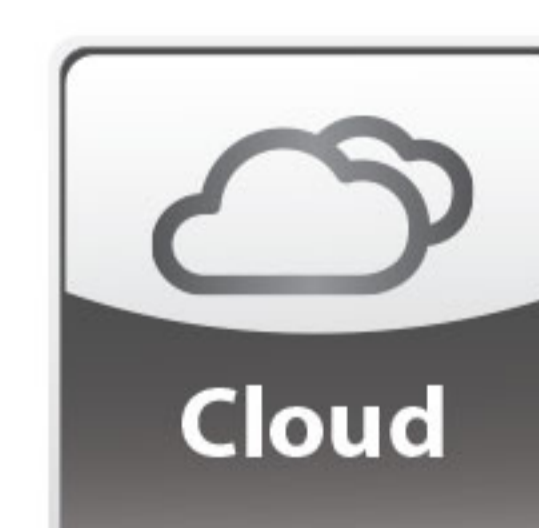
DVR 4000 SERIES

5.0MPixel Lite Video Recorder/ H.265 Compression

DVR 5IN1 SYSTEM

AHD /TVI /CVI /CVBS /IPC SYSTEM SUPPORT

H.265



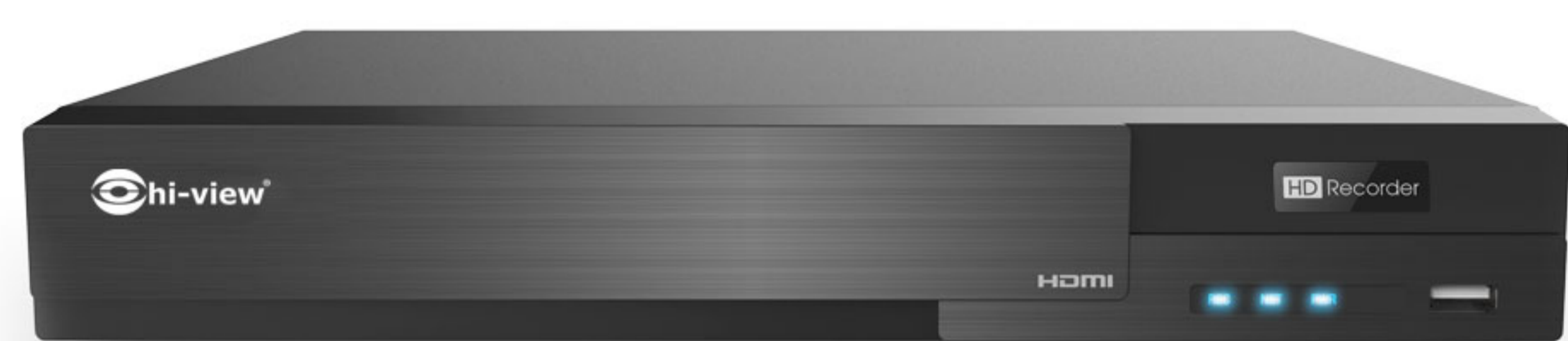
5MP Lite

Video Recorder



Specification

1/3



Feature

- DVR 5-in-1 (AHD, CVI, TVI, CVBS, IPC)
- H.265 high profile (4+2=6CH)
- Resolution AHD/TVI: 5MP lite, 4MP lite, 2MP, 2MP lite, 720P, 960H, WD1
- Resolution CVI: 4MP, 3MP, 1080P, 720P,WD1
- Recording 5MP lite 1280x1936@10fps x4, 4MP lite 1280x1440@12fps x4, 1080P@12fps x4 1080P lite,720P/WD1@25fps x4, analog 960x576@25fps x4
- + IPC x2 (Max.5MP@25fps)
- BNCx4, HDMIx1, VGAx1, CVBSx1,
- Audio in x4, Audio out x1, Alarm in x4,
- Alarm out x1, RJ45x1, USBx2,
- HDD x1 (Max. 10Tb.)
- Bandwidth 36/40 Mbps(access/transfer)
- N9000 menu,Cloud P2P (QRCODE), POS, intelligent smart playback
- Power Supply DC12V/2000mA

H.265

Model	HA-45504
Video System	5-in-1 (AHD, CVI, TVI, CVBS, IPC)
Video Compression	H.265 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	5MP lite, 4MP lite, 2MP, 720P, 960H, WD1
Bitrate	32Kbps-4Mbps
Main Stream	5MP lite 1280x1936@10fps x4 4MP lite 1280x1440@12fps x4 1080P @12fps x4 1080P lite,720P/WD1@5fps x4 analog 960x576@25fps
Substream	1280x720,704x576,352x288@12fps bitrate max. 1024Kbps
Record Quality	adjustable (lowest, lower, medium, higher, highest)
IPC Input	+ IPC x2 (Max. 5MP@25fps)
Viewing	
Split liveview Mode	Layout 1/4/8/9, Full screen
Customize Display Modes	Supported
Local Playback	Layout 1/4 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
Audio	
Audio Compression	G.711A
Two-Way-Audio	Support (take up channel one audio input)
Record	
Recode Mode	Auto, manual, event mode, schedule mode, POS record
Recode Type	Motion, sensor, always(24x7), manual,analytics
Manual Recording Mode	Supported (1min, 5mins, 10mins, 20mins, 30 mins, 40mins, 50mins, 1hr, 2hrs, 5hrs, manual)
Cycle Record	Supported
Pre-Record	Supported (3 secs, 5 secs, disable)



Specification

2/3



Feature

- DVR 5-in-1 (AHD, CVI, TVI, CVBS, IPC)
- H.265 high profile (4+2=6CH)
- Resolution AHD/TVI: 5MP lite, 4MP lite, 2MP, 2MP lite, 720P, 960H, WD1
- Resolution CVI: 4MP, 3MP, 1080P, 720P,WD1
- Recording 5MP lite 1280x1936@10fps x4, 4MP lite 1280x1440@12fps x4, 1080P@12fps x4 1080P lite,720P/WD1@25fps x4, analog 960x576@25fps x4
- + IPC x2 (Max.5MP@25fps)
- BNCx4, HDMIx1, VGAx1, CVBSx1,
- Audio in x4, Audio out x1, Alarm in x4,
- Alarm out x1, RJ45x1, USBx2,
- HDD x1 (Max. 10Tb.)
- Bandwidth 36/40 Mbps(access/transfer)
- N9000 menu,Cloud P2P (QRCODE), POS, intelligent smart playback
- Power Supply DC12V/2000mA

H.265

Model	HA-45504
Post-Record	Supported (5secs, 10secs, 30secs, 1min, 2mins, 5mins, 10mins)
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
HDD	
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
Search and Backup	
Search Modes	By time-slice image, smart search, by time, by event, tag management, image management,
Search Types	Manual, sensor, intelligent analytics, motion, schedule, smart playback
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
Alarm	
Alarm Mode	Motion, video loss, alarm out, sensor alarm
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, IPC offline, video loss
Alarm Tringgering	Record, snapshot, push, alarm-out, preset, buzzer, pop-up video, email
Alarm Status	Supported
Network	
Total Send Bandwith	30/40 Mbps (access/transfer)
Netwok Protocol	TCP/IPv4, IPv6, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP, NAT, HTTP, HTTPS, RTSP, NAT, SNMP, NTP, DST, POS, FTP
NAT	Supported (d2.autonat.com:20002)
Cloud	Supported cloud P2P, QRCODE (www.autonat.com)
DDNS	Hiview.org, autoddns, 88ip, meibu, dyndns, no-ip, dvrddns, mints, 3322
Onvif	Supported
FTP	Supported



Specification

3/3



Feature

- DVR 5-in-1 (AHD, CVI, TVI, CVBS, IPC)
- H.265 high profile (4+2=6CH)
- Resolution AHD/TVI: 5MP lite, 4MP lite, 2MP, 2MP lite, 720P, 960H, WD1
- Resolution CVI: 4MP, 3MP, 1080P, 720P,WD1
- Recording 5MP lite 1280x1936@10fps x4, 4MP lite 1280x1440@12fps x4, 1080P@12fps x4 1080P lite,720P/WD1@25fps x4, analog 960x576@25fps x4
- + IPC x2 (Max.5MP@25fps)
- BNCx4, HDMIx1, VGAx1, CVBSx1,
- Audio in x4, Audio out x1, Alarm in x4,
- Alarm out x1, RJ45x1, USBx2,
- HDD x1 (Max. 10Tb.)
- Bandwidth 36/40 Mbps(access/transfer)
- N9000 menu,Cloud P2P (QRCODE), POS, intelligent smart playback
- Power Supply DC12V/2000mA

H.265

Model		HA-45504
Mobile Monitoring	Network Status	Support iOS, Android (Superliveplus) Supported
PTZ Function & Control		
COC/UTC	Preset	Supported 1-128 Preset
Crusie	PTZ Protocol	8 Cruise PELCOP, PELCOD, LILIN, MINKING, NEON, STAR, VIDO, DSCP, VISCA,TVT, COC
Baud Rate	Address	110, 300, 600, 1200, 2400, 4800, 9600, 19200, 38400,57600, 115200, 230400, 460800, 921600 1-255
System&Security		
OSD language	GUI Style	Support Thai, English, Chinese Etc. N9000 Style
User Interface	Start Up Wizard	IE, App (superliveplus), NVMS-1000, NVMS 2.0 Supported
TV-Wall	App live Self-Adaptive	Support (Optional) Supported
Output Dwell	View Log	Supported Auto dwell (1min, 3mins, 5mins, 10mins, 30mins) Support Log, Event Log& Export
Factpry Default	IPC Upgrade	Supported
Cloud Upgrade	System Upgade	Supported (via DVR) Supported USB, Network
Backup and Restore	Auto Maintenance	Supported
Block/Allow List	Account Management	Supported (1-99 days) Supported (IP, MAC)
Online User Checking		Supported
Hardware Interface		
BNC Video Input	HDMI Output	x4 (BNC) x1 (1920x1080P, 1280x1024, 1024x768)
VGA Output	CVBS Output/SPOT	x1 x1
Audio Input	Audio Output	x4 (RCA) x1 (RCA)
HDD	RJ45	x1 (Max. 10TB) x1 (10/100M Mbps)
USB 2.0	RS485	x2 x1
Alram Input	Alram Output	x4 (3A/250VAC, 3A/30VDC) x1
Alarm Buzzer	Power Input	x1 x1 DC12V
Others		
Power Supply	Power consumption	DC12V/2000mA <10W (without HDD)
Working environment	Working Humidity	-10C to +50C 10% to 90%
Dimension	Weight	300x248x52mm. Approx. 1.09Kg

