



◆ SPECIFICATION

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| Model                        | MODEL: NC16CH5MP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>System</b>                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Main Processor               | HI3531A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Operating System             | Embedded LINUX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Video</b>                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Input                        | Analog: 16*(TVI/AHD: 5M; AHD/TVI/CVI: 4M; AHD/TVI: 3M; AHD/TVI/CVI: 1080P/720P; Analog: 960H)<br>Analog+Network: 14*Analog+2*network(Max 8MP), 12*Analog+4*network(Max 8MP), 10*Analog+6*network(Max 8MP), 8*Analog+8*network(Max 8MP), 6*Analog+10*network(Max 8MP), 4*Analog+12*network(Max 8MP), 2*Analog+14*network(Max 8MP)<br>Network: 32*network(Max 8MP)(Total incoming bandwidth ≤200M)                                                                                                                                                                                                                                                                                      |
| Input                        | 16CH BNC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Signal Type                  | Analog/AHD/CVI/TVI/Network                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Output                       | 1 HD, 1 VGA, 1CVBS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Audio</b>                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Input                        | 2Channel, RCA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Two-way Audio                | NO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Output                       | 1 Channel, RCA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Alarm</b>                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Sensor Input                 | NO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Output                       | NO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Motion Detection             | 16 Channel(max 32 Channel in pure network mode)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Trigger Events               | Recording, Alarm, Email, Screen tips, Buzzer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Email Alarm                  | Send Image to The Designated E-mail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>PTZ</b>                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Interface                    | RS485                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Protocol                     | Pelco-D, Pelco-P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Baud Rate                    | 110~921600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Address                      | 0~255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Display</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| VGA                          | Resolution: 1920 × 1080P /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz,1024 × 768 /60Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| HD Output                    | Resolution: 3840×2160/30Hz, 1920 × 1080P /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz,1024 × 768 /60Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Display Split                | 36 Channel/25 Channel/16 Channel/9 Channel/8 Channel/4 Channel / 1Channel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Privacy Masking              | 1 Rectangular Zones (Each camera)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| OSD                          | Camera title, Time, Video loss, Alarm, Motion detection, Recording                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Recording</b>             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Video Compression            | H.264                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Audio Compression            | G711u                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Resolution                   | 5MP(2592×1944),5MP_HALF(1296×1944),4MP(2560×1440),4MP_HALF(1280×1440),3MP(2048×1536),1080P(1920×1080),720P(1280×720),960H(P:960×576/N:960×480)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Video Quality                | worst/worse/ordinary/well/best                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Record Rate                  | Analog:PAL:5MP(2592×1944 16*6fps),5MP_HALF(1296×1944 16*10fps), 4MP(2560×1440 16*8fps),4MP_HALF(1280×1440 16*12fps),3MP(2048×1536 16*9fps),1080P(1920x1080 16*12fps),720P(1280×720 16*25fps), 960H(960×576 16*25fps)<br>NTSC:5MP(2592×1944 16*6fps),5MP_HALF(1296×1944 16*10fps), 4MP(2560×1440 16*8fps),4MP_HALF(1280×1440 16*15fps),3MP(2048×1536 16*9fps),1080P(1920x1080 16*15fps),720P(1280×720 16*30fps), 960H(960×480 16*30fps)<br>Pure IP:PAL:4k@18×25fps,5MP@20×25fps,4MP@28x25fps,3MP@28×25fps,1080P@32×25fps,960P@32×25fps,720P@32×25fps,D1@32×25fps<br>NTSC: 4k@18×30fps,5MP@20×30fps,4MP@28×30fps,3MP@28×30fps,1080P@32×30fps, 960P@32×30fps, 720P@32×30fps, D1@32×30fps |
| Record Mode                  | Manual\Timer\Motion Detection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Playback &amp; Backup</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Decode Capability            | 4CH 5M@30fps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Sync Playback                | Pure Analog: 16CH 5M@6fps,16CH 5MP_HALF@10fps, 16CH 4M@7fps, 16CH 4MP_HALF@12fps, 16CH 3M@9fps, 16CH 1080p@15fps<br>Mix Mode: 2CH 5M@30fps, 2CH 4M@30fps, 3CH 3M@30fps, 4CH 1080P@30fps, 4CH 960P@30fps, 4CH 720P@30fps<br>Pure IPC: 2CH 4K@30fps, 4CH 5M@30fps, 4CH 4M@30fps, 5CH 3M@30fps, 9CH 1080P@30fps, 9CH 960P@30fps, 9CH 720P@30fps                                                                                                                                                                                                                                                                                                                                          |
| Remote Playback              | 4 Channel / 1 Channel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Search Mode                  | ALL, Channel, Manual, Time, Date, Motion Detection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Playback Functions           | Play, Pause, Stop, Fast play, Rewind                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Smart Phone Playback         | 4 Channel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Backup Mode                  | USB Device/Network                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Network</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Interface                    | 1 RJ45 10M/100/1000M Adaptive Ethernet Interface                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Network Functions            | HTTP, IPv4,IPv6, TCP/IP, SMTP, DHCP, DNS, PPPOE, DDNS, NTP, FTP, UPNP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| DDNS                         | Dyndns, changeip, no-ip, Oray, A-PRESS, MYQSEE, SKDDNS, SMART-EYES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Web Browser                  | IE8-11, Google Chrome (IE Tab), Firefox (IE Tab)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| CMS Software                 | Support Windows 7/ Windows 8/Windows 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Extra Stream                 | CIF(1~25fps)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Smart Phone                  | iPhone, ipad, Android ,Android pad                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Hard Disk Driver</b>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Interface Type               | 2 SATA Interface                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Capacity                     | 2.5"/3.5" SATA, Up to 12TB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>General</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Language                     | Chinese, English, Polish, Czech, Russian, Thai, Hebrew, Arabic, Bulgarian, Farisa<br>German, French, Portuguese, Turkic, Spanish, Italian, Hungarian, Romanian, korean, Dutch, Greek                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| UTC Control                  | YES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| USB Interface                | 2 USB 2.0 Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Power consumption            | DC 12V ≤10W (Without Hard Disk)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Working Environment          | -10~55°C/10~90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Dimension (W×D×H)            | 310*295*46(mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Weight                       | 3.5kg (Without HDD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |