



|                          | NTSC   | PAL                                  |
|--------------------------|--|--------------------------------------|
| Image system             |  |                                      |
| Lens                     | 1/4" SONY Exview HAD CCD   |                                      |
| Optical zoom             | F1.6 - F4.5  |                                      |
| Focal length             | f=3.4 mm (wide) to 122.4 mm (tele)   |                                      |
| View Angle               | 57.8°(wide end) to 1.7°(tele end)  |                                      |
| Minimum Working Distance | 320mm(wide end) to 1500mm(tele end)  |                                      |
| Effective pixel(HxV)     | 380K pixels approx.  | 440K pixels approx.                  |
| Scanning system          | 2:1 Interlace V, 59.94Hz, H: 15.734KHz   | 2:1 Interlace, V: 50Hz, H: 15.625KHz |
| Sync system              | Internal / Inelock   |                                      |
| Video output             | 1Vpp composite output, 75 ohm  |                                      |
| Horizontal resolution    | 560 TV Lines   |                                      |
| S/N ratio                | More than 50 dB  |                                      |
| Zoom limit               | UP TO 432X (optical 36X, digital 12X)  |                                      |
| Focusing system          | Auto(normal sensitivity / low sensitivity)   |                                      |
| Focus                    | Auto (sensitivity: normal, low), One-push AF, Manual, Infinity, Interval AF, Zoom Trigger AF   |                                      |
| Minimum illumination     | Normal mode: 0.07 lux (F1.6, 1/60(1/50)sec. ICR OFF, 10 IRE)<br>Slow shutter mode: 0.005 lux (F1.6, 1/4(1/3)sec. ICR OFF, 10 IRE)<br>Night mode: 0.0075 lux (F1.6, 1/60(1/50)sec. ICR ON, 10 IRE)<br>Slow shutter mode: 0.0005 lux (F1.6, 1/4(1/3)sec. ICR ON, 10 IRE)     |                                      |
| Gain control             | Auto   |                                      |
| White balance            | Auto, ATW, One-push  |                                      |
| Electric shutter         | 1/1 to 1/10,000sec. 22 Steps   |                                      |
| Auto slow shutter        | On / Off   |                                      |
| AE control               | Auto, Manual, Priority mode, Bright, EV compensation, Back-light compensation  |                                      |
| EV compensation          | -10.5~+10.5dB(15 steps)  |                                      |
| Backlight Compensation   | On / off   |                                      |
| Alarm function           | Yes  |                                      |
| Day/Night mode           | Auto / manual  |                                      |
| Flickerless              | Yes  |                                      |
| Wide dynamic             | YES  |                                      |
| Picture Effect           |  |                                      |
| Mirror Image             | Yes  |                                      |
| P/T Operation            |  |                                      |
| Pan Range                | 360° continuous  |                                      |
| Tilt range               | 92°  |                                      |
| Manual Pan speed         | 0.1°/s - 90°/s   |                                      |
| Manual Pan speed (turbo) | 0.1°/s: max dig. zoom ; 0.4°/s: max opt. zoom  |                                      |
| Manual tilt speed        | 150°/sec   |                                      |
| Preset speed             | 0.1°/s: max dig. zoom ; 0.4°/s: max opt. zoom  |                                      |
| Proportional P/T         | Pan: 430°/sec(max); Tilt: 200°/sec (max)   |                                      |
| Pan/Tilt limit           | Provided   |                                      |
| Auto Flip                | user definable   |                                      |
| Zoom Limit               | on/off   |                                      |
| Programmable Preset      | x36, x72, x144, x288, x432   |                                      |
| Programmable Tours       | 256 points   |                                      |
| Privacy zone             | 4 pattern tours memorizing up to 6 mins of manual control  |                                      |
| Scan function            | On / off, up to 24 zones (3D Privacy Zone)   |                                      |
| Alarm                    | Random, frame and auto-scan selectable   |                                      |
| Presets titles           | 6 inputs / 1 output  |                                      |
| Password protection      | Max 20 characters  |                                      |
| Other Superior Functions | alphanumerical Dome OSD setup protection   |                                      |
| Remote control           | Super Fine Pan for 0.02° Accuracy / Motion Detection / Scheduling  |                                      |
| Special Commands         | MESSOA P/D (Also support Pelco-P/D, GE, Bosch, Emitec, Tyco)   |                                      |
| Interface                | support absolute(X, Y, Z) position   |                                      |
| Baud Rate                | RS485  |                                      |
| OSD                      | 2400, 4800, 9600, 19200 bits(DIP-sw selectable)  |                                      |
| Multi language support   | English, Simplified Chinese, Traditional Chinese, Spanish, Portuguese, French, Japanese, Germany, Polish, Italian  |                                      |
| NETWORK & Digital Video  |  |                                      |
| Video Compression        |  |                                      |
| Compression              | H.264/MPEG-4/Motion-JPEG   |                                      |
| Picture Resolution       | Full D1 (720x480 in NTSC, 720x576 in PAL)<br>CIF (352x240 in NTSC, 352x288 in PAL)<br>QCIF (160x112 in NTSC, 176x144 in PAL)   |                                      |
| Bit Rate                 | 28K - 3M bps   |                                      |
| Image Frame Rate         | 30fps at full D1 resolution (NTSC) 25fps at full D1 resolution (PAL)   |                                      |
| Multi-stream             | Up to 4 configurable frame rate / bit rates streams for preview and recording  |                                      |
| Network                  |  |                                      |
| LAN port                 | Ethernet(10/100 Base-T)  |                                      |
| WAN port                 | Ethernet(10/101 Base-T)  |                                      |
| Protocol                 | TCP, UDP, IP, HTTP, DHCP, PPPoE, RTP, RTSP   |                                      |
| Software                 |  |                                      |
| Web browser              | Microsoft Internet Explorer 6.0 or above   |                                      |
| SDK                      | ActiveX control, C SDK   |                                      |
| Security                 | Password Protection: Configured by the Administrator   |                                      |
| Mechanical/Environment   |  |                                      |
| Operating temperature    | -40 °C ~ 60 °C (-40F ~ 140F)   |                                      |
| Operating humidity       | 20% ~ 80% RH   |                                      |
| Storage temperature      | -20 °C ~ 60 °C (-4F ~ 140F)  |                                      |
| Dimensions(exH)          | 216.6mm X 324.0mm (85.3" * 12.8") (height)   |                                      |
| Weight                   | 3800g (8.14 lb) approx.  |                                      |
| Electrical               |  |                                      |
| Power requirement        | AC24V +/-10%   |                                      |
| Power consumption        | 52.5W (max.)   |                                      |
| Regulation               |  |                                      |
| Vandal proof             | 750KG (1653 lb) impact resistance  |                                      |
| Water proof              | IP67 (With Heater and Blower)  |                                      |
| Applications (Optional)  | Pendant Pipe Mount (SAD702) / Simple Wall Mount (SAD703) / Wall Mount with Power Box (SAD704) / Pendant Pipe Mount with Power Box(SAD705) / Parapet Wall Mount (SAD706) Corner Mount(SAD707) / Pole Adaptor (SAD708) / Pole Extension Bracket(SAD709) / Sun Shield(SAD710) |                                      |
| Ordering information     | NIC950HPRO-HN2-US<br>(US Power Cord)   | NIC950HPRO-HP2-EU<br>(EU Power Cord) |
|                          |  | NIC950HPRO-HP2-UK<br>(UK Power Cord) |

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