



	NTSC	PAL
Image system	NTSC	
Lens	PAL	
Image Sensor	1/4" SONY Exview HAD CCD	
Optical zoom	F1.6 - F3.8	
Focal length	f=3.5 mm (wide) to 91.0 mm (tele)	
View Angle	54.2°(wide end) to 2.2°(tele end)	
Effective pixels (HXV)	380K pixels approx.	440K pixels approx.
Scanning system	2:1 Interface V: 59.94KHz, H: 15.734KHz	2:1 Interface, V: 50Hz, H: 15.625KHz
Sync system	Internal / line-lock	
Video output	1Vpp composite output, 75 ohm	
Horizontal resolution	560 TV Lines	
S/N ratio	More than 50 dB	
Zoom limit	UP TO 312X (optical 26X, 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: 0.05 lux (F1.6, 1/60(1/50)sec, ICR OFF, 10 IRE) Slow shutter mode: 0.0035 lux(F1.6, 1/4(1/3)sec, ICR OFF, 10 IRE) Night mode: 0.0075 lux(F1.6, 1/60(1/50)sec, ICR ON, 10 IRE) Slow shutter mode: 0.0005 lux(F1.6, 1/4(1/3)sec, ICR ON, 10 IRE)	
Gain control	Auto	
White balance	Auto, ATW, Indoor, Outdoor, One-push, Manual	
Electric shutter	1/1 to 1/10,000sec, 22 Steps	
Auto slow shutter	On/Off (Max 1.0S)	
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	Yes	
Mirror Image	Yes	
PT Operation		
Pan Range	360° continuous	
Tilt range	92° (outdoor) / 85° (indoor)	
Manual Pan speed	0.1 - 90°/s	
Manual Pan speed (turbo)	0.1°/s: max dig. zoom - 0.4°/s .max opt. zoom 150°/sec	
Manual tilt speed	0.1 - 45°/s	
Presets speed	0.1°/s: max dig. zoom - 0.4°/s .max opt. Zoom Pan: 430°/sec(max); Tilt: 200°/sec (max)	
Proportional PT	Provided	
Pan/Tilt limit	user definable	
Auto Flip	on/off	
Zoom Limit	x26,x52,x104,x208,x312	
Programmable Preset	256 points	
Programmable Tours	4 pattern tours memorizing up to 6 mins of manual control	
Privacy zone	On / off, up to 24 zones (SD Privacy Zone)	
Scan function	Random, frame and auto-scan selectable	
Alarm	6 inputs / 1 output	
Pre-set titles	Max 20 characters	
Password protection	alphanumerical Dome OSD setup protection	
Other Superior Functions	Super Fine Pan for 0.02° Accuracy/ Motion Detection / Scheduling	
Remote control	MESSOA PID (Also support Pelco-PID, GE, Bosch, Emitec, Tyco)	
Special Commands	support absolute(X, Y, Z) position	
Interface	RS485	
Baud Rate	2400,4800,9600,19200 bit/s(DIP-sw selectable)	
OSD		
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) CIF (352x240 in NTSC, 352x288 in PAL) 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/IP, UDP, HTTP, DNS, ICMP, uPNP, NTP, DHCP, DDNS, RTP, RTSP over TCP or UDP, IGMP, PPPoE, SMTP, FTP	
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 (-40°F - 140°F)	
Operating humidity	20% - 80% RH	
Storage temperature	-30 °C - 80 °C (-14°F - 140°F)	
Dimensions(exH)	216.6mm X 324.0mm (85.3" X 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) / Pipe Extension Bracket(SAD709) / Sun Shield(SAD710)	
Ordering information	NIC930HPRO-HN2-US (US Power Cord)	NIC930HPRO-HP2-EU (EU Power Cord)
		NIC930HPRO-HP2-UK (UK Power Cord)