

N4013 Speed Dome Network Camera



H.264 / D1 Real Time / 23X~36X

- H.264/MJPEG Dual Codec & Streaming simultaneously
- D1(704x480@NTSC/30fps)
- High Resolution of 560TVL(23X) / 530TVL(36X) / 600TVL(37X)
- 23X~36 in Optical Zoom (Optional with WDR)
- Mechanical ICR
- Pan 0.1°~180°/S, Tilt 0.1°~90°/S, Preset 450°/S
Pan Tilt accuracy ± 0.1°
- Intelligent Video Analytics
- IP67 Weather Proof
- Digital Image Stabilization



Specifications

Camera			
Zoom Lens Module	Samsung 23X SCM-2230N(P)	Sony 36X FCB-EX1020(P)	Samsung 37X SCM-2370N(P)
Sensor	1/4" Interline Transfer CCD	1/4" Exview HAD CCD (PS)	1/4" Interline Transfer CCD
Scan Method	Interlace	Progressive	Interlace
Lens	23X optical zoom lens=3.5 to 80.9mmF1.6~F2.4	36x optical zoom lens=3.4 mm (wide) ~ 122.4 mm (tele)F1.6 ~ F4.5	37X optical zoom lens=3.5 to 129.5mmF1.6~F3.9
Zoom Ratio	23X in Optical Zoom, 16X in Digital Zoom	36X in Optical Zoom, 12X in Digital Zoom	37X in Optical Zoom, 16X in Digital Zoom
Minimum Illumination	C/L : 0.2Lux/F1.6 (50 IRE), B/W : 0.02Lux/F1.6 (50 IRE)	1.4Lux/F1.6 (50 IRE)	C/L : 0.2Lux/F1.6 (50 IRE), B/W : 0.02Lux/F1.6 (50 IRE)
Horizontal Resolution	Color : 560TVL, B/W : 680TVL	550TVL	Color : 560TVL, B/W : 680TVL
Wide Dynamic Range	SSDR	On/Off/Auto	SSDR
Backlight Compensation	Off/BLC/HLC	On/Off	Off/BLC/HLC
Electronic Shutter	1/50~1/120000	1/30 to 1/10,000 s, 15 steps	1/50 to 1/120,000
DIS	Yes	Yes	Yes
Number of Effective Pixel (H*V)	NTSC (768x494) / PAL (752x582)	Panning/Tilt Speed	Manual: Panning Speed Approx. 0.2°/s ~ 196.8°/s, Tilt Speed Approx. 0.2°/s ~ 98°/s, preset: up to approx. 450°/s
SNR(max.)	50db	Number of the Preset Positions	64
DNR	High/Middle/Low, 3 steps selection	IRIS Control	Auto/Manual
White Balance	Auto/Indoor/Outdoor/Manual	Exposure Compensation	Auto
Gain Control	High/Middle/Low, 3 steps selection	Slow Shutter	Auto/Off
Flicker Control	Off/50 Hz/60 Hz, 3 steps selection	Noise Reduction	Yes
Panning Coverage	0°~ 360°	Day and Night	IR-Cut Filter Removable (ICR)
Tilting Coverage	-10°~ 90°		

Video

Video Compression	H.264 (MPEG-4Part 10/AVC)/MJPEG,Dual codec
Video Framerate	D1@30fps
Resolution	H.264: D1(704x480@NTSC/30fps, 704x576@PAL/25fps) CIF (352x240@NTSC/30fps, 352x288@PAL/25fps) QCIF (176x120@NTSC/30fps, 176x144@PAL/25fps) MJPEG: D1(704x480@NTSC/30fps, 704x576@PAL/25fps) CIF (352x240@NTSC/30fps, 352x288@PAL/25fps) QCIF (176x120@NTSC/30fps, 176x144@PAL/25fps)
Bitrate Control	CBR and VBR, 128kbps ~ 4Mbps
Multi-streams	Triple streaming, Multiple profiles 1xD1, 1xCIF and 1xQCIF
Digital Zoom (PC Side)	1/4X, 1/3X, 1/2X, 1X, 2X, 4X
Image Rotation	Mirror, Flip, Rotate 180°

Intelligent Video

Privacy mask/Motion detection/Blind Detection/OSD

Audio

2 Way Audio	Audio Line-in, Audio Line-out
Compression	AMR, G.711 @ 64kbps, G.726 @ 32kbps/ Configure bit rate

Network

Streaming Protocols	RTSP/RTP/UDP, RTSP/RTP/TCP, RTSP/RTP/HTTP tunneling, LAN Multicast, Multipart-JPEG
Supported Protocols	IPv4, HTTP, UDP, TCP, ICMP, IGMP, ARP, DHCP, NTP, SMTP, FTP, SAMBA, UPnP, PPPoE, DNS, DDNS, RTSP, RTP, RTCP, ONVIF
Mobile Surveillance	iPhone, iPad, Android, BlackBerry

Storage

External	1 x Micro SD Card
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Processors and Memory

CPU	ARM9 SOC
Flash and Memory	32MB NOR flash, 256MB DDRIII

I/O and Connectors

LAN	1x RJ45 Ethernet connector
Audio	1x Audio Line-in, 1x Audio Line-out
Alarm I/O	1x Alarm-in (2pin), 1x Alarm-out (3pin)

Software Compatibility

Browser	Internet Explorer 6.0 or above
Application Software	VMS Application Software
OS supported	Microsoft Windows 2000, XP, Vista, Windows 7

Open API

CGI commands to control camera
Media SDK to handle streaming

Power

Power Input	AC24V/PoE
Power Consumption	32W

Demension

206mm(Φ) x 316.3mm(H)

Weight

3430g

Operating Environment

Operating temperature	-10°C~ +50°C
Storage temperature	-10°C~ +50°C
Humidity	0% ~ 95% non-condensing

Certification

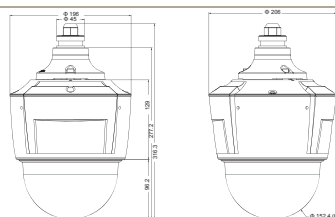
CE, FCC Class A, RoHS, IP67, IK10, UL

Warranty

24 months

Member of **ONVIF** **CE** **FC** **RoHS** Compliant

Dimension Diagram



Distributed by:

3S PocketNet Technology Inc.

7F., No.5, Lane 16, Sec. 2, Sichuan Rd. Banqiao Dist.,
New Taipei City 22061, Taiwan (R.O.C.)
Tel: +886.2.8967.2909
Fax: +886.2.8967.2779