

# N4012 Full HD Speed Dome Network Camera



## 2Megapixel / H.264 / 20X / WDR

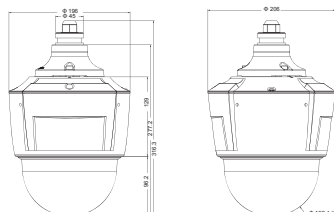
- H.264/MJPEG Dual Codec & Streaming simultaneously
- Up to 1080P(1920x1080@30fps)
- 20X in optical zoom, 12X in Digital Zoom
- Auto-IRIS
- Digital I/O for External Sensor and Alarm
- Mechanical ICR
- Digital Power WDR
- 2 Way Audio Supported
- Intelligent Video Analytics
- Micro SD Card Supported (SDHC up to 32GB)
- IP67 Weather proof+IK 10 Vandal Proof



### Specifications

<b>Camera</b>		<b>Network</b>	
Zoom Lens Module	Sony FCB-EH6300	Streaming Protocols	RTSP/RTP/UDP, RTSP/RTP/TCP, RTSP/RTP/HTTP tunneling, LAN Multicast, Multipart-JPEG
Sensor	1/2.8 Type Exmor CMOS sensor	Supported Protocols	IPv4, HTTP, UDP, TCP, ICMP, IGMP, ARP, DHCP, NTP, SMTP, FTP, SAMBA, UPnP, PPPoE, DNS, DDNS, RTSP, RTP, RTCP, ONVIF
Scan Method	Progressive	Mobile Surveillance	iPhone, iPad, Android, BlackBerry
Lens	20x zoom F= 4.7 mm (Wide) to 94.0 mm (Tele), F1.6 to F3.5. Angle of view (H) : Approx. 55.4 degrees (Wide), Approx. 2.9 degrees (Tele) 1080i mode : Approx. 37.6 degrees (Wide), Approx. 2.0 degrees (Tele)	Storage	
Zoom Ratio	20X in Optical Zoom, 12X in Digital Zoom	External	1 x Micro SD Card
Number of Effective Pixel (H*V)	1920x1080	Processors and Memory	
Minimum Illumination	C/L : 0.08Lux, B/W : 0.005Lux	CPU	ARM9 SOC
Horizontal Resolution	1000TVL	Flash and Memory	32MB NOR flash, 256MB DDRIII
Wide Dynamic Range	On/Off/Auto	I/O and Connectors	
SNR(max.)	50db	LAN	1x RJ45 Ethernet connector
DNR	High/Middle/Low, 3 steps selection	Audio	1x Audio Line-in , 1x Audio Line-out
White Balance	Auto/Manual	Alarm I/O	1x Alarm-in , 1x Alarm-out
Gain Control	High/Middle/Low, 3 steps selection	Software Compatibility	
Flicker Control	Off/50 Hz/60 Hz, 3 steps selection	Browser	Internet Explorer 6.0 or above
Backlight Compensation	On/Off	Application Software	VMS Application Software
Electronic Shutter	1/30 sec to 1/10000 sec (15 steps)	OS supported	Microsoft Windows 2000, XP , Vista, Windows 7
Panning Coverage	0°~ 360°	Open API	
Tilting Coverage	-10°~ 90°		CGI commands to control camera Media SDK to handle streaming
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	Power	
Number of the Preset Positions	64	Power Input	AC24V or AC24V+PoE 802.3at (Optional)
IRIS Control	Auto/Manual	Power Consumption	18W
Exposure Compensation	Auto	Dimension	
Slow Shutter	Auto/Off		206mm(Φ) x 316.3mm(H)
Noise Reduction	Yes	Weight	
Day and Night	IR-Cut Filter Removable (ICR)		3430g
Video		Operating Environment	
Video Compression	H.264 (MPEG-4Part 10/AVC)/MJPEG, Dual codec	Operating temperature	-10°C ~ +50°C
Video Framerate	1080P@30fps	Storage temperature	-10°C ~ +50°C
Resolution	H.264 : 1080P(1920x1080@30fps) 720P(1280x720@30fps) 720x400@30fps/360x192@30fps/ 192x112@30fps MJPEG : 1080P(1920x1080@15fps) 720P(1280x720@15fps) 720x400@15fps/360x192@15fps	Humidity	0% ~ 95% non-condensing
Bitrate Control	CBR and VBR, 128kbps ~ 10Mbps	Certification	
Multi-streams	Triple streaming, Multiple profiles 1920x1080 H.264@30fps/1280x720 H.264(Sub)@30fps/ 1920x1080 MJPEG@15fps		CE, FCC Class A, RoHS, IP67, IK10, UL
Digital Zoom (PC Side)	1/4X, 1/3X, 1/2X, 1X, 2X, 4X	Warranty	
Image Rotation	Mirror, Flip, Rotate 180°		24 months
Intelligent Video			
Privacy mask	Yes		
Motion detection	Yes		
Blind Detection	Yes		
OSD	Yes		
Audio			
2 Way Audio	Audio Line-in, Audio Line-out		
Compression	AMR, G.711 @ 64kbps, G.726 @ 32kbps/ Configure bit rate		

### Dimension Diagram



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