

Progressive Technology Enhanced Cameras



3 Megapixel Full HD Vandal-Resistant Network Dome Camera

SNV-7082

The SNV-7082 is designed for advanced surveillance solutions incorporating Full 3 megapixel HD resolution. Progressive technologies incorporated into SNV-7082 include advanced WDR (Wide Dynamic Range) to provide superior images in high contrast scenes, Simple Focus to improve image quality when switching between color and B/W modes. SDDR (Samsung Super Dynamic Range) to enhance color reproduction and resolution and reduce signal noise. Additional functions include: face detection - prioritizing faces in an image, audio detection - alerting the system to events beyond the camera's field of view, ROI (Region of Interest) - spotlighting the critical areas in the camera's field of view, and True Day/Night for superior images in the dark. The SNV-7082 is rated IP66 - ensuring protection against dust/water and IK10 for external shock allowing the camera to fit into the most demanding environments.

- Max 3M (2048 x 1536), 16 : 9 Full HD (1080p) resolution
- H.264 & MJPEG dual codec
- 3 ~ 8.5mm (2.8x) motorized varifocal lens • Simple Focus
- Advanced WDR (96dB) / 30fps@2MP WDR
- Face Detection, Audio Detection
- UPnP (Auto Port Forwarding) • IP66, IK10

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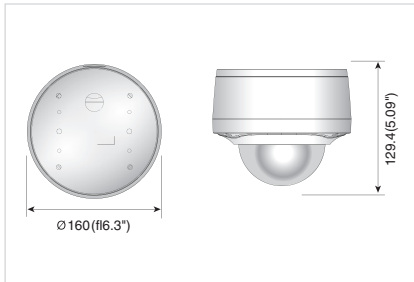
Specifications



SNV-7082N/P	
VIDEO	
Imaging Device	1/3" 3.1M PS CMOS
Total Pixels	2,064 (H) x 1,578 (V)
Effective Pixels	2,052 (H) x 1,536 (V)
Scanning System	Progressive
Min. Illumination	Color : 0.7 Lux (F1.2, 50IRE), 0.011 Lux (Sens up 60x) B/W : 0.07 Lux (F1.2, 50IRE), 0.001 Lux (Sens up 60x)
S / N Ratio	50dB
Video Out	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation
LENS	
Focal Length (Zoom Ratio)	3 ~ 8.5mm (2.8x) motorized varifocal
Max. Aperture Ratio	F1.2
Angular Field of View	H : 87.3° (Wide) ~ 31.2° (Tele), V : 64.5° (Wide) ~ 23.4° (Tele)
Min. Object Distance	0.5m (1.64ft)
Focus Control	Manual, Simple focus, Day&Night
Lens Type	DC Auto Iris
Mount Type	Board-in type
PAN / TILT / ROTATE	
Pan Range	0° ~ 355°
Tilt Range	0° ~ 90°
Rotate Range	0° ~ 355°
OPERATIONAL	
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	Auto (ICR) / Color / B/W / External
Backlight Compensation	Off / BLC / HLC
Wide Dynamic Range	Off / On (96dB) 3M Mode : 20fps, 2M Mode : 30fps
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNRILL (2D+3D noise filter) (Off / On)
Motion Detection	Off / On (4 rectangular zones)
Privacy Masking	Off / On (1ea 4 point polygonal + 16ea rectangular zones)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Gain Control	Off / Low / Midium / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Auto / A.FLK / Manual (1/30 ~ 1/12,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Audio detection, Face detection, Tampering, Virtual line, Enter / Exit, Appear/Disappear
Alarm I/O	Digital 1/1
Alarm Triggers	Motion detection, Video analytics, Sensor input
Alarm events	File upload via FTP, E-Mail / Notification via E-Mail, TCP / Local storage (SD/SDHC) recording at network disconnected / External output
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264 (MPEG-4 Part 10/AVC), MJPEG
Resolution	
3M Mode	2048 x 1536 / 1920 x 1080 / 1600 x 1200 / 1280 x 1024 / 1280 x 960 / 1280 x 720 / 1024 x 768 800 x 600 / 800 x 450 / 640 x 480 / 640 x 360 / 320 x 240 / 320 x 180
2M Mode	1920 x 1080 / 1280 x 1024 / 1280 x 960 / 1280 x 720 / 1024 x 768 / 800 x 600 / 800 x 450 640 x 480 / 640 x 360 / 320 x 240 / 320 x 180
Max. Framerate	
3M Mode	H.264 : Max 20fps at all resolutions MJPEG : 800 x 600 ~ 320 x 180 - 20 fps 1024 x 768 ~ 1920 x 1080 - 15 fps / 2048x1536 - 10 fps
2M Mode	H.264 : Max 30fps at all resolutions MJPEG : 800 x 600 ~ 320 x 180 - 30 fps 1024 x 768 ~ 1920 x 1080 : 15 fps
Smart Codec	
Video Quality Adjustment	Yes (Area based method)
Bitrate Control Method	H.264 : Compression level, Target bitrate level control / MJPEG : Quality level control
Streaming Capability	H.264 : CBR or VBR / MJPEG : VBR
Audio I/O	Multiple streaming (Up to 6 profiles)
Audio Compression Format	G.711 u-law, G.726 (16Kbps, 24Kbps, 32Kbps, 40Kbps)
Audio Communication	Bi-directional
IP	IPv4, IPv6
Protocol	
Protocol	TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3 (MIB-2), ARP, DNS, DDNS, QoS, UPnP
Security	
Streaming Method	HTTPS (SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1X authentication
Max. User Access	Unicast / Multicast
Memory Slot	10 users at unicast mode
ONVIF Conformance	SD / SDHC memory slot
Webpage Language	Yes
Web Viewer	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek
Central Management Software	Supported OS : Windows XP / VISTA / 7, MAC OS X 10.7 or higher
ENVIRONMENTAL	Supported Browser : Internet explorer 7.0 or higher, Firefox 9.0 or higher, Chrome 15.0 or higher, Safari 5.1 or higher
Operating Temperature / Humidity	NET-i viewer
Ingress Protection	PoE : -35°C ~ +55°C (-40°F ~ +131°F) / Less than 90% RH, DC12V : -10°C ~ +55°C (+14°F ~ +131°F) / 20% ~ 80% RH
Vandal Resistance	Heater works at PoE power input. After Start up, working at -40° by PoE
ELECTRICAL	IP66 Grade
Input Voltage / Current	IK10
Power Consumption	DC 12V, PoE (IEEE802.3af)
MECHANICAL	Max. 9.0W (DC 12V, PoE (class3) - Heater off) / Max. 12.95W (PoE(class3) - Heater on)
Color / Material	Body : Ivory / Aluminum
Dimension (WxH)	Ø160 x 134.5 mm (Ø6.3" x 5.3")
Weight	1.42kg (3.13lb)

Dimensions

Unit : mm (inch)



The Eco mark represents Samsung Techwin's will to create environment-friendly products, and indicates that the product satisfies the EU RoHS Directive.

Design and specifications are subject to change without notice.



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