



1/3 CMOS 1.3 Megapixel HD IP Col/B&W Camera

- High frame rate of 60 frames per second at HD resolution (720p)
- · Embedded analytics: face detection, audio detection, advanced motion, tampering
- · local video and image storage on SD card
- Advanced video processing: Super light Enhancer (SSLE), extreme backlight WDR, Enhanced DIS stabiliser and Defog
- Multi-Crop Streaming with user management
- Up to 70% less bandwidth utilization, with improved Samsung processing

Summary

The WiseNetIII Camera Series from Samsung Techwin WiseNetIII network ranges which feature the most advanced functions from Samsung with 1.3 to 3 megapixel of high definition images.

These exceptional cameras have the latest technology in terms of low light, extreme back light compensation, easy of use and friendly user interface, as well as powerful image analysis algorithms.

With enhanced features and newtechnologies which combat the challenges of though environmentalconditions, the WiseNetIII Series will meet the market need which requires professional security.







Digital Signal Processor (DSP) WiseNet III Scanning System Progressive Col/B On/Off/Auto Max. Framerate H.264 60fps @all resolutions Max. Framerate MJPEG 30fps@320 x 180 to 800 x 600, 15fps@1024 x 768 to 1920 x 1080 Sensitivity Colour O.1 Lux (SOIRE) @ F1.2, 0.1 Lux @ F1.2 (SOIRE) Sensitivity B/W 0.05 lux S/N Ratio 50 dB Lens Mount C/CS mount Lens Drive Type Manual / DC auto iris, P-iris Focus Adjustment Manual Number of Privacy Zones 32 Digital Noise Reduction On/off 2D/3D Noise Filter (SSNRIII) Intelligent Video Analytics detection, Face detection High Speed Shutter Minimum / Maximum / Anti flicker (2-1/12.000sec) BLC Back Light On/Off WDR 100dB, >100dB Camera ID 45 character Off/On White Balance ATW, Manual, AWC, Indoor, Outdoor Video Outputs 1 x CVBS (1Vpp), BNC Alarm Inputs 1 Alarm Outputs 1 RS-485 Protocols Samsung-T/E, Pelco-P/D, Sungjin Client OS Windows® XP; Windows® VISTA; Windows® 7; Mac OS® X Web Browser MS Internet Explorer 6.0 (or higher), Firefox, Google Chrome, Stafal Video Compression H.264 or MPEG4 & MJPEG, Dual Encoding Addio Compression Addio Compression Addio Compression	Technical Specifications	
Scanning System Progressive Col/B On/Off/Auto Max. Framerate H.264 60fps @all resolutions Max. Framerate MJPEG 30fps @320 x 180 to 800 x 600, 15fps@1024 x 768 to 1920 x 180 to 800 x 600, 15fps@1024 x 768 to 1920 x 180 to 800 x 600, 15fps@1024 x 768 to 1920 x 180 to 800 x 600, 15fps@1024 x 768 to 1920 x 180 to 800 x 600, 15fps@1024 x 768 to 1920 x 180 to 800 x 600, 15fps@1024 x 768 to 1920 x 180 to 800 x 600, 15fps@1024 x 768 to 1920 x 180 to 800 x 600, 15fps@1024 x 768 to 1920 x 180 to 800 x 600, 15fps@1024 x 768 to 1920 x 180 to 800 x 600, 15fps@1024 x 768 to 1920 x 180 to 800 x 600 x 180 x	Image Sensor	
Col/B On/Off/Auto Max. Framerate H.264 60fps @all resolutions Max. Framerate MJPEG 30fps@320 x 180 to 800 x 600, 15fps@1024 x 768 to 1920 x 1080 Sensitivity Colour 0.1 Lux (50IRE) @ F1.2, 0.1 Lux @ F1.2 (50IRE) Sensitivity BJW 0.05 lux S/N Ratio 50 dB Lens Mount C/CS mount Lens Drive Type Manual / DC auto iris, P-iris Focus Adjustment Manual Number of Privacy Zones 32 Digital Noise Reduction On/off 2D/3D Noise Filter (SSNRIII) Intelligent Video Analytics Tampering, Virtual line, Enter/Exit, Appear / Disappear, Audio detection, Face detection High Speed Shutter Minimum / Maximum / Anti flicker (2-1/12.000sec) BLC Back Light On/Off WDR 100dB, >100dB Camera ID 45 character Off/On White Balance ATW, Manual, AWC, Indoor, Outdoor Video Outputs 1 x CVBS (1Vpp), BNC Alarm Inputs 1 Alarm Outputs 1 Alarm Outputs 1 Alarm Outputs 1 Sardsor Protocols	Digital Signal Processor (DSP)	WiseNet III
Max. Framerate H.264 60fps @all resolutions Max. Framerate MJPEG 30fps@320 x 180 to 800 x 600, 15fps@1024 x 768 to 1920 x 1080 Sensitivity Colour 0.1 Lux (50IRE) @ F1.2, 0.1 Lux @ F1.2 (50IRE) Sensitivity B/W 0.05 lux Son Ratio 50 dB Lens Mount C/CS mount Lens Drive Type Manual / DC auto iris, P-iris Focus Adjustment Manual Number of Privacy Zones 32 Digital Noise Reduction On/off 2D/3D Noise Filter (SSNRIII) Intelligent Video Analytics Tampering, Virtual line, Enter/Exit, Appear / Disappear, Audio detection, Face detection High Speed Shutter Minimum / Maximum / Anti flicker (2-1/12.000sec) BLC Back Light On/off WDR 100dB, >100dB Camera ID 45 character Off/On White Balance ATW, Manual, AWC, Indoor, Outdoor Video Outputs 1 x CVBS (1Vpp), BNC Alarm Inputs 1 Alarm Outputs 1 RS-485 Protocols Samsung-T/E, Pelco-P/D, Sungjin Client OS Windows® XP; Windows® VISTA; Windows® 7; Mac OS® X Web Browser	Scanning System	Progressive
Max. Framerate MJPEG 30fps@320 x 180 to 800 x 600, 15fps@1024 x 768 to 1920 x 1880 Sensitivity Colour 0.1 Lux (50IRE) @ F1.2, 0.1 Lux @ F1.2 (50IRE) Sensitivity B/W 0.05 lux S/N Ratio 50 dB Lens Mount C/CS mount Lens Drive Type Manual / DC auto iris, P-iris Focus Adjustment Manual Number of Privacy Zones 32 Digital Noise Reduction On/off 2D/3D Noise Filter (SSNRIII) Intelligent Video Analytics Tampering, Virtual line, Enter/Exit, Appear / Disappear, Audio detection, Face detection High Speed Shutter Minimum / Maximum / Anti flicker (2-1/12.000sec) BLC Back Light On/Off WDR 100dB, >100dB Camera ID 45 character Off/On White Balance ATW, Manual, AWC, Indoor, Outdoor Video Outputs 1 Alarm Inputs 1 Alarm Outputs 1 Rs-485 Protocols Samsung-T/E, Pelco-P/D, Sungjin Client OS Windows@ XP; Windows@ VISTA; Windows@ 7; Mac OS@ X Web Browser MS Internet Explorer 6.0 (or higher), Firefox, Google Chrome, Safari	Col/B	On/Off/Auto
1080	Max. Framerate H.264	60fps @all resolutions
Sensitivity B/W S/N Ratio 50 dB Lens Mount C/CS mount Lens Drive Type Manual / DC auto iris, P-iris Focus Adjustment Number of Privacy Zones Digital Noise Reduction On/off 2D/3D Noise Filter (SSNRIII) Intelligent Video Analytics Tampering, Virtual line, Enter/Exit, Appear / Disappear, Audio detection, Face detection High Speed Shutter Minimum / Maximum / Anti flicker (2-1/12.000sec) BLC Back Light On/Off WDR 100dB, >100dB Camera ID 45 character Off/On White Balance ATW, Manual, AWC, Indoor, Outdoor Video Outputs 1x CVBS (1Vpp), BNC Alarm Inputs 1 Alarm Outputs 1 RS-485 Protocols Samsung-T/E, Pelco-P/D, Sungjin Client OS Windows® XP; Windows® VISTA; Windows® 7; Mac OS® X Web Browser Safari Video Compression H.264 or MPEG4 & MJPEG, Dual Encoding Audio Compression G.711 u-law, Bi-Directional	Max. Framerate MJPEG	
S/N Ratio Lens Mount C/CS mount Lens Drive Type Manual / DC auto iris, P-iris Focus Adjustment Manual Number of Privacy Zones Digital Noise Reduction On/off 2D/3D Noise Filter (SSNRIII) Intelligent Video Analytics Tampering, Virtual line, Enter/Exit, Appear / Disappear, Audio detection, Face detection High Speed Shutter Minimum / Maximum / Anti flicker (2-1/12.000sec) BLC Back Light On/Off WDR 100dB, >100dB Camera ID 45 character Off/On White Balance ATW, Manual, AWC, Indoor, Outdoor Video Outputs 1 x CVBS (1Vpp), BNC Alarm Inputs 1 Alarm Outputs 1 RS-485 Protocols Samsung-T/E, Pelco-P/D, Sungjin Client OS Windows® XP; Windows® VISTA; Windows® 7; Mac OS® X Web Browser MS Internet Explorer 6.0 (or higher), Firefox, Google Chrome, Safari Video Compression H.264 or MPEG4 & MJPEG, Dual Encoding Audio Compression G.711 u-law, Bi-Directional	Sensitivity Colour	0.1 Lux (50IRE) @ F1.2, 0.1 Lux @ F1.2 (50IRE)
Lens Mount Lens Drive Type Manual / DC auto iris, P-iris Focus Adjustment Manual Number of Privacy Zones 32 Digital Noise Reduction On/off 2D/3D Noise Filter (SSNRIII) Intelligent Video Analytics Tampering, Virtual line, Enter/Exit, Appear / Disappear, Audio detection, Face detection High Speed Shutter Minimum / Maximum / Anti flicker (2-1/12.000sec) BLC Back Light On/Off WDR 100dB, >100dB Camera ID 45 character Off/On White Balance ATW, Manual, AWC, Indoor, Outdoor Video Outputs 1 x CVBS (1Vpp), BNC Alarm Inputs 1 Alarm Outputs 1 RS-485 Protocols Samsung-T/E, Pelco-P/D, Sungjin Client OS Windows® XP; Windows® VISTA; Windows® 7; Mac OS® X Web Browser MS Internet Explorer 6.0 (or higher), Firefox, Google Chrome, Safari Video Ompression H.264 or MPEG4 & MJPEG, Dual Encoding Audio Compression G.711 u-law, Bi-Directional	Sensitivity B/W	0.05 lux
Lens Drive Type Manual / DC auto iris, P-iris Focus Adjustment Manual Number of Privacy Zones 32 Digital Noise Reduction On/off 2D/3D Noise Filter (SSNRIII) Intelligent Video Analytics Tampering, Virtual line, Enter/Exit, Appear / Disappear, Audio detection, Face detection High Speed Shutter Minimum / Maximum / Anti flicker (2-1/12.000sec) BLC Back Light On/Off WDR 100dB, >100dB Camera ID 45 character Off/On White Balance ATW, Manual, AWC, Indoor, Outdoor Video Outputs 1x CVBS (1Vpp), BNC Alarm Inputs 1 Alarm Outputs 1 RS-485 Protocols Samsung-T/E, Pelco-P/D, Sungjin Client OS Windows® XP; Windows® VISTA; Windows® 7; Mac OS® X Web Browser MS Internet Explorer 6.0 (or higher), Firefox, Google Chrome, Safari Video Ompression H.264 or MPEG4 & MJPEG, Dual Encoding Audio Compression G.711 u-law, Bi-Directional	S/N Ratio	50 dB
Focus Adjustment Number of Privacy Zones 32 Digital Noise Reduction On/off 2D/3D Noise Filter (SSNRIII) Intelligent Video Analytics Tampering, Virtual line, Enter/Exit, Appear / Disappear, Audio detection, Face detection High Speed Shutter Minimum / Maximum / Anti flicker (2-1/12.000sec) BLC Back Light On/Off WDR 100dB, >100dB Camera ID 45 character Off/On White Balance ATW, Manual, AWC, Indoor, Outdoor Video Outputs 1 x CVBS (1Vpp), BNC Alarm Inputs 1 Alarm Outputs 1 Samsung-T/E, Pelco-P/D, Sungjin Client OS Windows® XP; Windows® VISTA; Windows® 7; Mac OS® X Web Browser MS Internet Explorer 6.0 (or higher), Firefox, Google Chrome, Safari Video Management Software SmartViewer 4.0 Video Compression H.264 or MPEG4 & MJPEG, Dual Encoding Audio Compression G.711 u-law, Bi-Directional	Lens Mount	C/CS mount
Number of Privacy Zones Digital Noise Reduction On/off 2D/3D Noise Filter (SSNRIII) Intelligent Video Analytics Tampering, Virtual line, Enter/Exit, Appear / Disappear, Audio detection, Face detection High Speed Shutter Minimum / Maximum / Anti flicker (2-1/12.000sec) BLC Back Light On/off WDR 100dB, >100dB Camera ID 45 character Off/On White Balance ATW, Manual, AWC, Indoor, Outdoor Video Outputs 1x CVBS (1Vpp), BNC Alarm Inputs 1 Alarm Outputs 1 RS-485 Protocols Samsung-T/E, Pelco-P/D, Sungjin Client OS Windows® XP; Windows® VISTA; Windows® 7; Mac OS® X Web Browser Wideo Management Software Video Compression H.264 or MPEG4 & MJPEG, Dual Encoding Audio Compression G.711 u-law, Bi-Directional	Lens Drive Type	Manual / DC auto iris, P-iris
Digital Noise Reduction On/off 2D/3D Noise Filter (SSNRIII) Intelligent Video Analytics Tampering, Virtual line, Enter/Exit, Appear / Disappear, Audio detection, Face detection High Speed Shutter Minimum / Maximum / Anti flicker (2-1/12.000sec) BLC Back Light On/Off WDR 100dB, >100dB Camera ID 45 character Off/On White Balance ATW, Manual, AWC, Indoor, Outdoor Video Outputs 1x CVBS (1Vpp), BNC Alarm Inputs 1 Alarm Outputs 1 RS-485 Protocols Samsung-T/E, Pelco-P/D, Sungjin Client OS Windows® XP; Windows® VISTA; Windows® 7; Mac OS® X Web Browser Wideo Management Software Video Compression H.264 or MPEG4 & MJPEG, Dual Encoding Audio Compression G.711 u-law, Bi-Directional	Focus Adjustment	Manual
Intelligent Video Analytics Tampering, Virtual line, Enter/Exit, Appear / Disappear, Audio detection, Face detection Minimum / Maximum / Anti flicker (2-1/12.000sec) BLC Back Light On/Off WDR 100dB, >100dB Camera ID 45 character Off/On White Balance ATW, Manual, AWC, Indoor, Outdoor Video Outputs 1 x CVBS (1Vpp), BNC Alarm Inputs 1 RS-485 Protocols Samsung-T/E, Pelco-P/D, Sungjin Client OS Windows® XP; Windows® VISTA; Windows® 7; Mac OS® X Web Browser Wideo Management Software Video Compression H.264 or MPEG4 & MJPEG, Dual Encoding Audio Compression G.711 u-law, Bi-Directional	Number of Privacy Zones	32
High Speed Shutter Minimum / Maximum / Anti flicker (2-1/12.000sec) BLC Back Light On/Off WDR 100dB, >100dB Camera ID 45 character Off/On White Balance ATW, Manual, AWC, Indoor, Outdoor Video Outputs 1x CVBS (1Vpp), BNC Alarm Inputs 1 RS-485 Protocols Samsung-T/E, Pelco-P/D, Sungjin Client OS Windows® XP; Windows® VISTA; Windows® 7; Mac OS® X Web Browser WS Internet Explorer 6.0 (or higher), Firefox, Google Chrome, Safari Video Compression H.264 or MPEG4 & MJPEG, Dual Encoding Audio Compression Audio Compression Minimum / Maximum / Anti flicker (2-1/12.000sec) Monoword (2-1/12.000sec) ATW, Manual, AWC, Indoor, Outdoor 1x CVBS (1Vpp), BNC 1x CVBS	Digital Noise Reduction	On/off 2D/3D Noise Filter (SSNRIII)
BLC Back Light WDR 100dB, >100dB Camera ID 45 character Off/On White Balance ATW, Manual, AWC, Indoor, Outdoor Video Outputs 1x CVBS (1Vpp), BNC Alarm Inputs 1 Alarm Outputs 1 RS-485 Protocols Samsung-T/E, Pelco-P/D, Sungjin Client OS Windows® XP; Windows® VISTA; Windows® 7; Mac OS® X Web Browser Wish Internet Explorer 6.0 (or higher), Firefox, Google Chrome, Safari Video Management Software SmartViewer 4.0 Video Compression H.264 or MPEG4 & MJPEG, Dual Encoding Audio Compression G.711 u-law, Bi-Directional	Intelligent Video Analytics	Tampering, Virtual line, Enter/Exit, Appear / Disappear, Audio detection, Face detection
WDR 100dB, >100dB Camera ID 45 character Off/On White Balance ATW, Manual, AWC, Indoor, Outdoor Video Outputs 1x CVBS (1Vpp), BNC Alarm Inputs 1 Alarm Outputs 1 RS-485 Protocols Samsung-T/E, Pelco-P/D, Sungjin Client OS Windows® XP; Windows® VISTA; Windows® 7; Mac OS® X Web Browser MS Internet Explorer 6.0 (or higher), Firefox, Google Chrome, Safari Video Management Software Wideo Compression H.264 or MPEG4 & MJPEG, Dual Encoding Audio Compression G.711 u-law, Bi-Directional	High Speed Shutter	Minimum / Maximum / Anti flicker (2-1/12.000sec)
Camera ID 45 character Off/On White Balance ATW, Manual, AWC, Indoor, Outdoor 1x CVBS (1Vpp), BNC Alarm Inputs 1 Alarm Outputs 1 RS-485 Protocols Client OS Windows® XP; Windows® VISTA; Windows® 7; Mac OS® X Web Browser Windows® XP; Windows® VISTA; Windows® 7; Mac OS® X Web Browser MS Internet Explorer 6.0 (or higher), Firefox, Google Chrome, Safari Video Management Software SmartViewer 4.0 Video Compression H.264 or MPEG4 & MJPEG, Dual Encoding Audio Compression G.711 u-law, Bi-Directional	BLC Back Light	On/Off
White Balance ATW, Manual, AWC, Indoor, Outdoor Video Outputs 1x CVBS (1Vpp), BNC Alarm Inputs 1 Alarm Outputs 1 RS-485 Protocols Samsung-T/E, Pelco-P/D, Sungjin Client OS Windows® XP; Windows® VISTA; Windows® 7; Mac OS® X Web Browser Wideo Management Software Video Compression M.264 or MPEG4 & MJPEG, Dual Encoding Audio Compression ATW, Manual, AWC, Indoor, Outdoor 1x CVBS (1Vpp), BNC 1 MS Internet Explore 6.0 (or higher), Firefox, Google Chrome, Safari Wideo Compression H.264 or MPEG4 & MJPEG, Dual Encoding G.711 u-law, Bi-Directional	WDR	100dB, >100dB
Video Outputs 1x CVBS (1Vpp), BNC Alarm Inputs 1 Alarm Outputs 1 RS-485 Protocols Samsung-T/E, Pelco-P/D, Sungjin Client OS Windows® XP; Windows® VISTA; Windows® 7; Mac OS® X Web Browser MS Internet Explorer 6.0 (or higher), Firefox, Google Chrome, Safari Video Management Software SmartViewer 4.0 Video Compression H.264 or MPEG4 & MJPEG, Dual Encoding Audio Compression G.711 u-law, Bi-Directional	Camera ID	45 character Off/On
Alarm Inputs Alarm Outputs 1 RS-485 Protocols Client OS Windows® XP; Windows® VISTA; Windows® 7; Mac OS® X Web Browser Wideo Management Software Video Compression Audio Compression 1 MS Internet Explorer 6.0 (or higher), Firefox, Google Chrome, Safari Windows® XP; Windows® VISTA; Windows® 7; Mac OS® X MS Internet Explorer 6.0 (or higher), Firefox, Google Chrome, Safari Video Management Software MB Internet Explorer 6.0 (or higher), Firefox, Google Chrome, Safari Video Compression G.711 u-law, Bi-Directional	White Balance	ATW, Manual, AWC, Indoor, Outdoor
Alarm Outputs RS-485 Protocols Samsung-T/E, Pelco-P/D, Sungjin Windows® XP; Windows® VISTA; Windows® 7; Mac OS® X Web Browser MS Internet Explorer 6.0 (or higher), Firefox, Google Chrome, Safari Video Management Software SmartViewer 4.0 Video Compression H.264 or MPEG4 & MJPEG, Dual Encoding Audio Compression G.711 u-law, Bi-Directional	Video Outputs	1x CVBS (1Vpp), BNC
RS-485 Protocols Client OS Windows® XP; Windows® VISTA; Windows® 7; Mac OS® X Web Browser MS Internet Explorer 6.0 (or higher), Firefox, Google Chrome, Safari Video Management Software SmartViewer 4.0 Video Compression H.264 or MPEG4 & MJPEG, Dual Encoding Audio Compression G.711 u-law, Bi-Directional	Alarm Inputs	1
Client OS Windows® XP; Windows® VISTA; Windows® 7; Mac OS® X Web Browser MS Internet Explorer 6.0 (or higher), Firefox, Google Chrome, Safari Video Management Software SmartViewer 4.0 Video Compression H.264 or MPEG4 & MJPEG, Dual Encoding Audio Compression G.711 u-law, Bi-Directional	Alarm Outputs	1
Web Browser MS Internet Explorer 6.0 (or higher), Firefox, Google Chrome, Safari Video Management Software SmartViewer 4.0 Video Compression H.264 or MPEG4 & MJPEG, Dual Encoding Audio Compression G.711 u-law, Bi-Directional	RS-485 Protocols	Samsung-T/E, Pelco-P/D, Sungjin
Video Management Software SmartViewer 4.0 Video Compression H.264 or MPEG4 & MJPEG, Dual Encoding Audio Compression G.711 u-law, Bi-Directional	Client OS	Windows® XP; Windows® VISTA; Windows® 7; Mac OS® X
Video Compression H.264 or MPEG4 & MJPEG, Dual Encoding Audio Compression G.711 u-law, Bi-Directional	Web Browser	
Audio Compression G.711 u-law, Bi-Directional	Video Management Software	SmartViewer 4.0
	Video Compression	H.264 or MPEG4 & MJPEG, Dual Encoding
Network Streaming TCP, UDP (Unicast, Multicast)	Audio Compression	G.711 u-law, Bi-Directional
	Network Streaming	TCP, UDP (Unicast, Multicast)





Technical Specifications	
Network Interface	1x 10/100 Base T/TX (RJ-45)
PoE Specifications	IEEE-802.3af
Security	HTTPS(SSL) Login Authentication Digest Login Authentication, IP Address Filtering
Alarm Event	File upload via FTP, E-Mail / Notification via E-Mail, TCP / Local storage (SD card) recording at network disconnected /External output
SD memory	Micro SD/SDHC/SDXCMotion images recorded in the SDXC/SDHC/SD memory card can be downloaded
ONVIF compliant	Profile S
Material	Aluminium, Plastic
Operating Temperature	-10°C ~ +55°C
Humidity	less than 90%, non condensing
Supply Voltage	12 VDC / 24 VAC / PoE, 12 Vdc / 24 Vac / 802.3 af PoE
Dimensions (W x H x D)	73.1 x 66.6 x 136.2 mm - 2.88 x 2.62 x 5.36 ln
Power Consumption (W)	10
Weight	0.330 kg - 0.73 lbs





Dimensions











