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REVISED 03-2020 (M,H)

Cost-effective Security System with Essential Functions



L series

Camera

- Max. 2MP(1920 x 1080) resolution
- H.264, MJPEG codec
- Max. 30fps@2MP (H.264)
- True WDR(120dB), WiseStream II
- Hallway view, LDC
(Lens Distortion Correction)

NVR













- Up to 5MP supported
- H.265, H.264, MJPEG codec supported
- 100Mbps network camera recording
- Plug & play by PoE port(16/8/4ch)



Resolution		2MP	2MP	2MP	2MP	2MP	2MP
VIDEO	Imaging Device	1/2.9" 2.19MP CMOS	1/2.9" 2.19MP CMOS	1/2.9" 2.19MP CMOS	1/2.9" 2.19MP CMOS	1/2.9" 2.19MP CMOS	1/2.9" 2.19MP CMOS
	Resolution / Max. Frame Rate	2MP / 30fps	2MP / 30fps	2MP / 30fps	2MP / 30fps	2MP / 30fps	2MP / 30fps
	Streaming Capacity	Multiple (Up to 3 Profiles)	Multiple (Up to 3 Profiles)	Multiple (Up to 3 Profiles)	Multiple (Up to 3 Profiles)	Multiple (Up to 3 Profiles)	Multiple (Up to 3 Profiles)
	Max. User Access	6 (Unicast)	6 (Unicast)	6 (Unicast)	6 (Unicast)	6 (Unicast)	6 (Unicast)
	Min. Illumination	Color : 0.095Lux@F1.6 B/W : 0Lux (IR LED on)	Color : 0.18Lux@F2.0 B/W : 0Lux (IR LED on)	Color : 0.095Lux@F1.6 B/W : 0Lux (IR LED on)	Color : 0.18Lux@F2.0 B/W : 0Lux (IR LED on)	Color : 0.095Lux@F1.6 B/W : 0Lux (IR LED on)	Color : 0.18Lux@F2.0 B/W : 0Lux (IR LED on)
	Lens	3.2 ~ 10mm (3.1x) V/F (F1.6)	3mm fixed (F2.0) (LNO-V6010R) 4mm fixed (F2.0) (LNO-V6020R) 6mm fixed (F2.0) (LNO-V6030R)	3.2 ~ 10mm (3.1x) V/F (F1.6)	3mm fixed (F2.0) (LND-V6010R) 4mm fixed (F2.0) (LND-V6020R) 6mm fixed (F2.0) (LND-V6030R)	3.2 ~ 10mm (3.1x) V/F (F1.6)	3mm fixed (F2.0) (LNV-V6010R) 4mm fixed (F2.0) (LNV-V6020R) 6mm fixed (F2.0) (LNV-V6030R)
	Angular Field of View	H : 101.6°(Wide) ~ 31.3°(Tele)/ V : 54.1°(Wide) ~ 17.8°(Tele) / D : 120.6°(Wide) ~ 36.0°(Tele)	H : 105° / V : 58° / D : 123° (LNO-V6010R) H : 80° / V : 43° / D : 94° (LNO-V6020R) H : 51° / V : 29° / D : 58° (LNO-V6030R)	H : 101.6°(Wide) ~ 31.3°(Tele)/ V : 54.1°(Wide) ~ 17.8°(Tele) / D : 120.6°(Wide) ~ 36.0°(Tele)	H : 105° / V : 58° / D : 123° (LND-V6010R) H : 80° / V : 43° / D : 94° (LND-V6020R) H : 51° / V : 29° / D : 58° (LND-V6030R)	H : 101.6°(Wide) ~ 31.3°(Tele)/ V : 54.1°(Wide) ~ 17.8°(Tele) / D : 120.6°(Wide) ~ 36.0°(Tele)/	H : 105° / V : 58° / D : 123° (LNV-V6010R) H : 80° / V : 43° / D : 94° (LNV-V6020R) H : 51° / V : 29° / D : 58° (LNV-V6030R)
	Focus Control	Manual	-	Manual	-	Manual	-
OPERA TIONAL	IR Viewable Length	20m (65.62ft)	30m (98.43ft)	20m (65.62ft)	20m (65.62ft)	30m (98.43ft)	30m (98.43ft)
	Pan / Tilt / Rotate	-	-	0°~350° / 0°~67° / 0°~355°	0°~350° / 0°~67° / 0°~355°	0 ~ 350° / 0 ~ 67° / 0 ~ 355°	0 ~ 350° / 0 ~ 67° / 0 ~ 355°
	Day & Night	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)
	Backlight Compensation	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)	WDR (120dB)
	Digital Noise Reduction	SSNR	SSNR	SSNR	SSNR	SSNR	SSNR
	Intelligent Video Analytics	Motion detection, Tampering	Motion detection, Tampering	Motion detection, Tampering	Motion detection, Tampering	Motion detection, Tampering	Motion detection, Tampering
FEATURES	Protocol	ONVIF profile S/G, SUNAPI	ONVIF profile S/G, SUNAPI	ONVIF profile S/G, SUNAPI	ONVIF profile S/G, SUNAPI	ONVIF profile S/G, SUNAPI	ONVIF profile S/G, SUNAPI
	Alarm I/O	-	-	-	-	-	-
	Audio	-	-	-	-	-	-
	Edge Storage	SD/SDHC/SDXC, Local PC	SD/SDHC/SDXC, Local PC	SD/SDHC/SDXC, Local PC	SD/SDHC/SDXC, Local PC	SD/SDHC/SDXC, Local PC	SD/SDHC/SDXC, Local PC
	Environment Protection	IP66	IP66	-	-	IP66, IK10	IP66, IK10
	Operating Temperature	-30°C ~ +55°C (-22°F ~ +131°F) * Start up above -20°C (-4°F)	-30°C ~ +55°C (-22°F ~ +131°F) * Start up above -20°C (-4°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-30°C ~ +55°C (-22°F ~ +131°F) * Start up above -20°C (-4°F)	-30°C ~ +55°C (-22°F ~ +131°F) * Start up above -20°C (-4°F)
	Power	Max. 6.5W (PoE)	Max. 6.5W (PoE)	Max. 6.5W (PoE)	Max. 6.5W (PoE)	Max. 6.5W (PoE)	Max. 6.5W (PoE)
	Dimensions (WxHxD) / Weight	Ø78.0 x 262.0mm (Ø3.07" x 10.32")	Ø58.6 x 182.0mm (Ø2.31" x 7.17")	Ø119.8 x 98.8mm (Ø4.72" x 3.89")	Ø110.0 x 86.0mm (Ø4.33" x 3.39")	Ø137.8 x 106.1mm (Ø5.43" x 4.18")	Ø120.3 x 91.7mm (Ø4.74" x 3.61")
	Additional Features	Lens distortion correction, Hallway View	Lens distortion correction, Hallway View	Lens distortion correction, Hallway View	Lens distortion correction, Hallway View	Lens distortion correction, Hallway View	Lens distortion correction, Hallway View
	Weight	380g(0.84 lb)	240g(0.53 lb)	274g(0.60 lb)	230g(0.51 lb)	515g(1.16 lb)	395g(0.87 lb)

Broad lineup and modern design for indoor and outdoor environments

The newly launched L series cameras consist of very affordable cameras with essential features. The broad line-up includes fixed and varifocal lens depending on its lens type, and bullet, dome and vandal-resistant dome cameras. The cameras have a modern design and can be used both indoors and outdoors.

Bullet		Dome		Vandal Dome	
V/F lens	Fixed lens	V/F lens	Fixed lens	V/F lens	Fixed lens
 LNO-6070R	  LNO-6010R LNO-6020R  LNO-6030R	 LND-6070R	  LND-6010R LND-6020R  LND-6030R	 LNV-6070R	  LNV-6010R LNV-6020R  LNV-6030R

True WDR(120dB)

The true WDR function built-in into the L series cameras can generate natural images without any image loss even in the challenging environments, such as when the background is brighter than the main object, when an image is obscured by shade due to strong light, when there is a large gap in screen brightness. In addition, it can significantly reduce the effect of motion blur, which is a critical weakness of conventional WDR.



Improve bandwidth using WiseStream II

WiseStream II is an advanced video compression technology based on motion analytics to maintain video quality whilst reducing the amount of data required. WiseStream II reduces noise and minimizes image quality degradation, which are common problems of traditional image compression artifacts and image noise in low light settings.



WiseStream II OFF : 7162kbps **WiseStream II ON : 1685kbps**



WiseStream II OFF : 7434kbps **WiseStream II ON : 3822kbps**

Hallway view

In a vertical shaped environment, such as corridors, hallways, tunnels, or aisles, traditional horizontal shaped videos focus on unnecessary edges of the area causing bandwidth and storage waste. By using the Hallway View, a 3:4 or a 9:16 aspect ratio image is utilized. The vertically oriented video maximizes field of view in narrow locations.



Cost effective NVRs with essential features and high compatibility

The newly launched L series NVRs offer essential features at a very affordable price. The lineup supports up to 5MP with H.265, H.264, MJPEG codec. Easy plug & play function provides users with great convenience in setup. With its new Dual Track Recording, it reduces delay in playback.



LRN-1610S



LRN-810S



LRN-410S

	LRN-1610S	LRN-810S	LRN-410S
Max. ch	16	8	4
MAX.REC/TX(MBPS)	100 / 100	50 / 30	30 / 20
Max.Resolution	5MP	5MP	5MP
Codec	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG
HDD	2 SATA (Max. 12TB)	1 SATA (Max.6TB)	1 SATA (Max.6TB)
POE PORTS	16 PoE	8 PoE	4 PoE
PoE Budget	130W(220VAC)	65W	35W
Alarm	-	-	-
Monitor	HDMI(2MP)	HDMI(2MP)	HDMI(2MP)
Decoding Performance	1ch@8MP	1ch@8MP	1ch@8MP
Audio	-	-	-
Smart Search	Yes	Yes	Yes
P2P Easyconnection	Yes	Yes	Yes
Weight	2.79kg	1.01kg	0.99kg

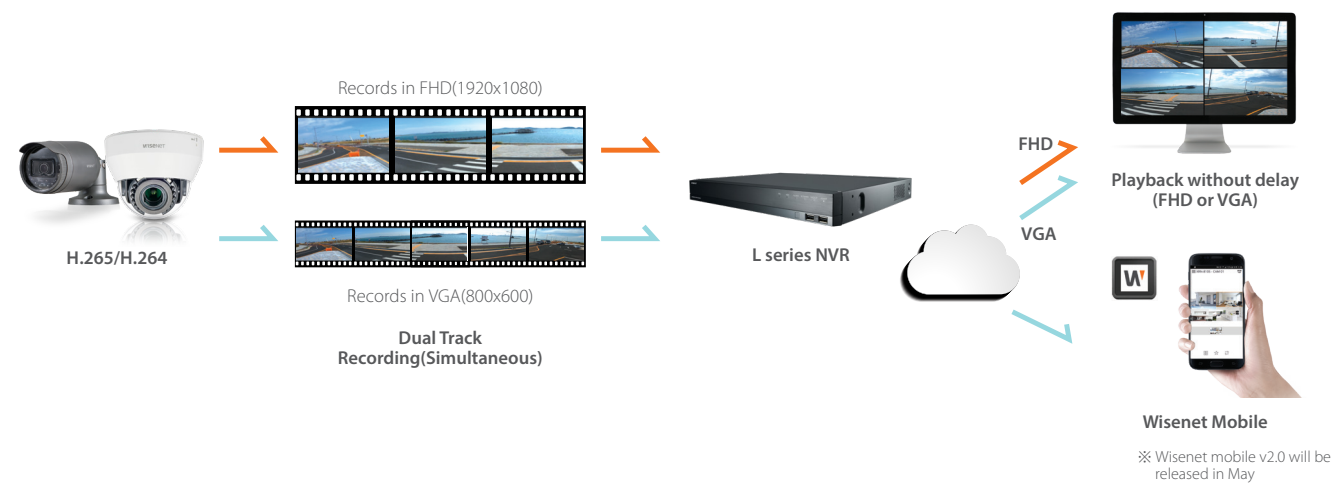
Main feature

- Up to 5MP supported
- H.265, H.264, MJPEG codec supported
- 100Mbps network camera recording
- Plug & play by PoE port(16/8/4ch)
- Max. 2HDDs supported(LRN-1610S)
- HDMI output for video display
- P2P service (QR code connect) support
- Various Event Record & Search
- Supply PoE power to Network Camera
- Easy plug and play functionality with automatic device discovery and most basic setup
- Support SUNAPI and ONVIF Profile S compliant for N/W Camera



Dual Track Recording, reduced delay in playback

Video delay is painful for users when playing back the recorded videos on multi channels or on the Wisenet mobile application under narrowband network environment. To solve this problem L series NVR supports Dual Track Recording which can record high resolution stream and VGA stream at the same time. This feature reduces time to call and play the recorded videos. Wisenet mobile will be upgraded to version 2.0 to maximize user convenience by including this feature.



Easy to install with QR code, Wisenet mobile application

With the Wisenet mobile application, users do not need to go through a complex network configuration for the monitoring. Users can download the Wisenet mobile application by simply scanning the QR code on the product. Wisenet application provides not only remote monitoring service but also event alert with push notifications for the instant response.



Accessory configuration

