

SECURITY PRODUCT

Made in **KOREA**

2024 WEBGATE

www.webgateinc.com/wgi/eng/



WEBGATE,



WEBGATE self develops, manufactures and promotes integrated video security solution including Recorder, CCTV cameras, accessories and monitoring software.

Based on its stability, reliability and technical ability accumulated during last many years in this field along with successful execution of cutting-edge defense industry projects, WEBGATE has established partnership with prominent global enterprises such as Samsung, SONY, PENTAX, BOSCH, Honeywell, and etc.

WEBGATE has possessed intensive and stable reliability by providing massive surveillance solutions to national wide resorts, government agencies, national institutions and 350 customers in 50 different countries around the world.

28 Years' Experience

R&D-based organization with experts in image storage field

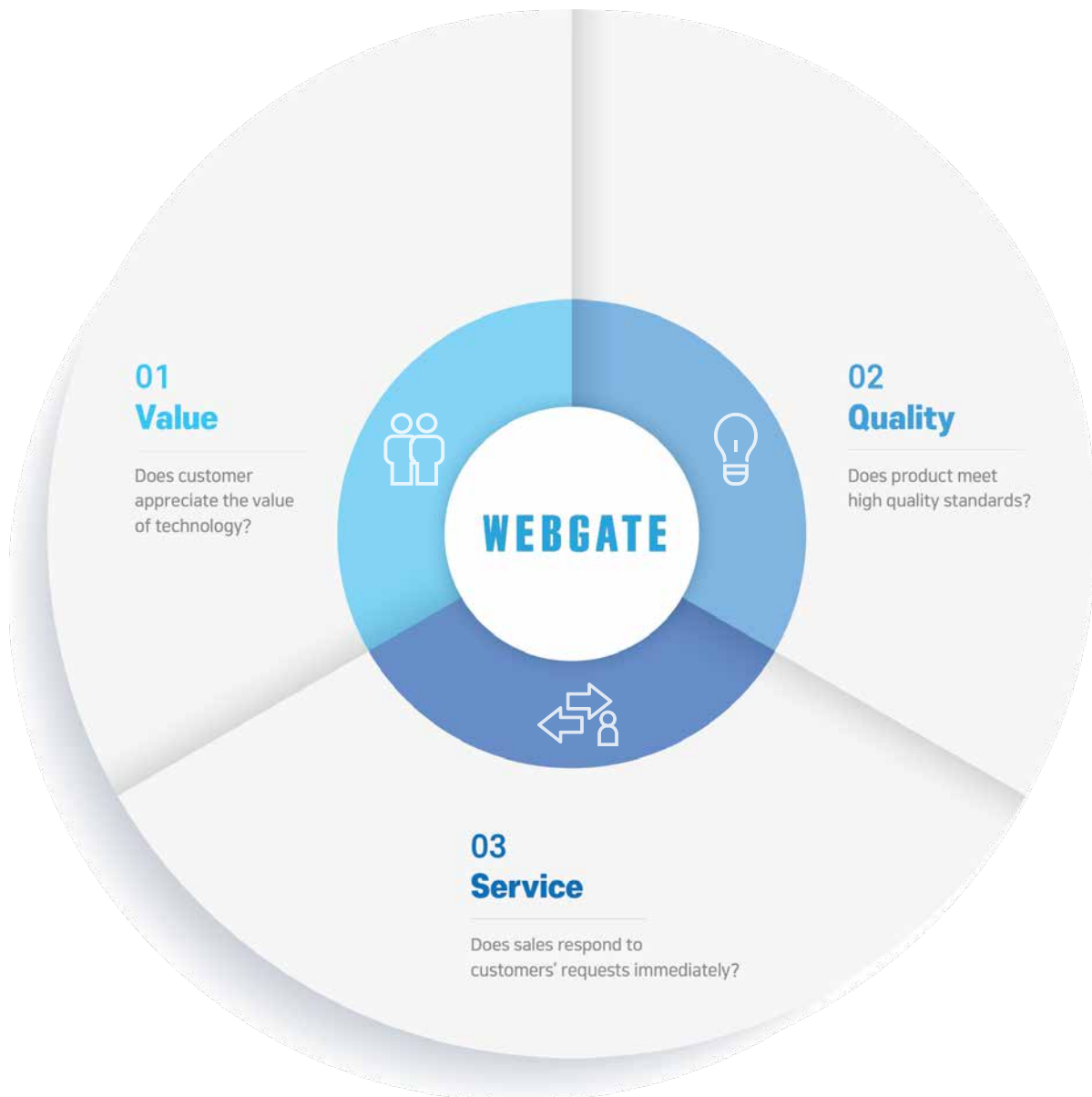
Self-development & Direct production

Self-development and direct production of core products from hardware to software

Professional CS team

Differentiated customer service through professional CS team

We Try Harder For



WEBGATE Histroty

1997 Established WEBGATE Inc.

- 1999 Released a Network Camera (WebEye product group) first time in the world
- 2000 Released an IP camera integrated DVR (i-Rec104) first time in the world
- 2004 Selected as a world top-class merchandise producer(network camera part) by Ministry of Commerce, Industry & Energy
- 2008 Selected as a world top-class merchandise production enterprise in the network camera part by Ministry of Knowledge Economy
- 2009 Released a H.264 D1 16Ch realtime DVR for the first time in the Korea

2011 Merged with Daemyung SonoSeason Co., Ltd.

- 2012 Released 16ch HD-SDI DVR first time in the world
- 2013 Won HDcctv Alliance "Compliance Leadership Award" 3 years in a row
Released Full-Frame 16ch DVR (built in PoC/CoC, EX-SDI, RAID)

2014 Released Smart Flame Detection Camera first time in the world

- 2015 Released 8ch multiplexer (MUX08-SDI-TX/RX) first time in the world
- 2016 Released entry level All in One DVR

2017 Released universal 4K DVR(UHD1604F-U) first time in the world

- Registered patent for Smart Flame Detection Camera (10-1709919, 10-1731995), Remote DVR control system (10-1813885)
- 2018 Released full lineup of IP camera (NK1080 series), and NVR (UHN series)
Developed EX-SDI 2.0 PoC/CoC platform
 - 2019 Released 4M QHD product lineup

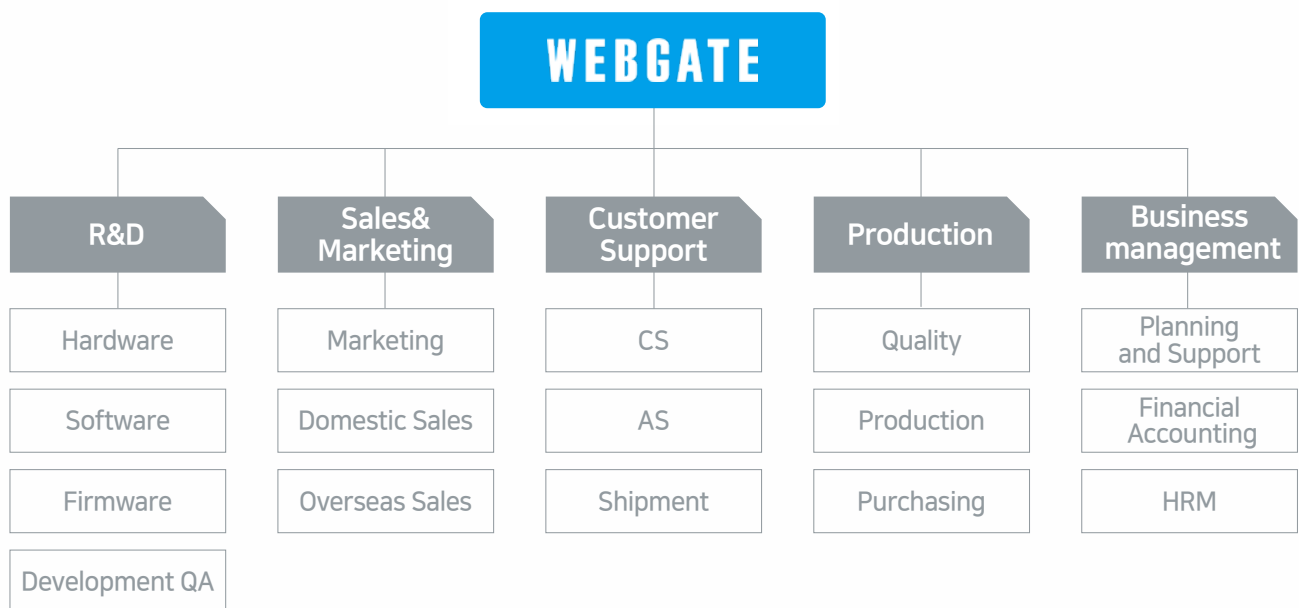
2020 Established WEBGATE Inc. as an independent corporation

- 2021 Acquired "Excellent Performance Certification" from Ministry of SMEs and Startups
Won the top prize of DVR solution at "2021 Security Award Korea" 3 years in a row

2022 Designated as an "Excellent Product" from Public Procurement Service

Acquired "Certificate of Disaster Safety Product" from Ministry of the Interior and Safety

- Won the top prize of Fire Detection Camera solution at "2022 Security Award Korea"
- 2023 Won the "Technology Innovation Award" at "2023 Security Award Korea"
Won the "2023 TTA certificate excellence award" from Telecommunications Technology Association



Company WEBGATE Inc.

CEO Kim Sangseok

Establishment February, 2020 (First Established : June, 1997)

Address 6F Hanlim Venture Town B/D, 284 Gongdanro Gunpo, Gyeonggido, 15809, Korea

Business type Manufacturing / Construction

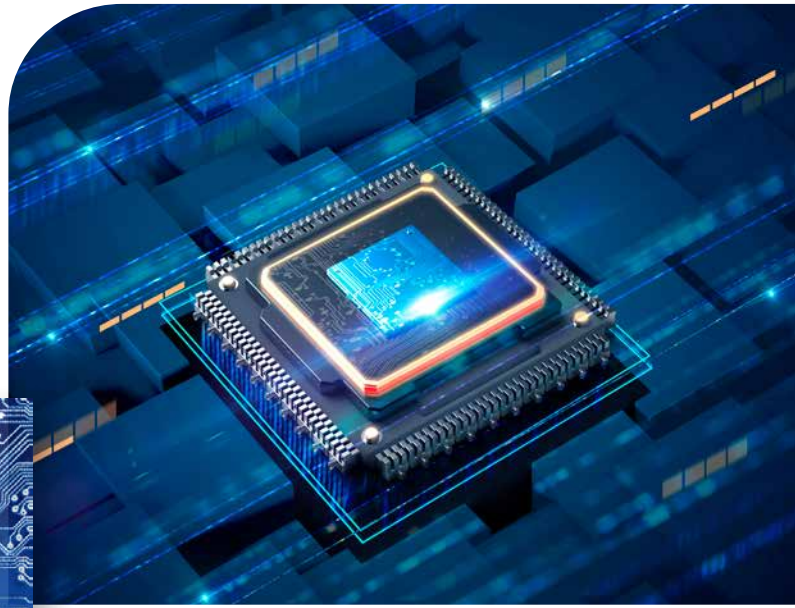
Registration number 464-87-01602

Tel. +82-31-428-9334 (9383)

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Network / AI Solution



Made in **KOREA** SoC
(NK Series)

KOR SoC

KOREA SoC, Self-development and direct production

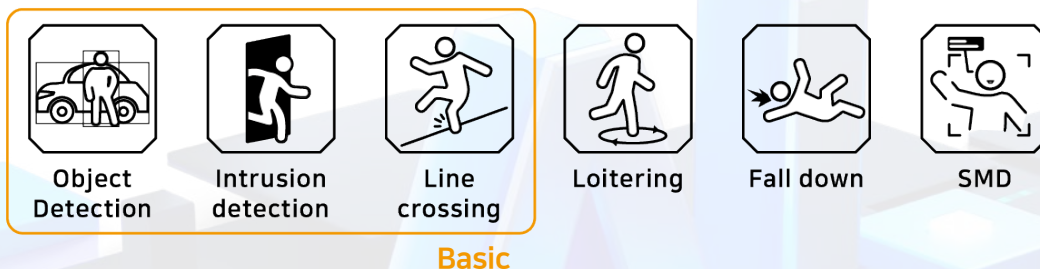
*SoC : System on Chip

AI Network Camera

- AI SoC and high sensitivity image sensor
- AI based object recognition (Human / Vehicle)
- Proven quality of Made in Korea
- AI events (Intrusion, Fall down, Line crossing and etc.)
- SMD (Smart Motion Detection) : AI based motion detection for human/vehicle



AI Feature



- NK5100 series: **Basic** + SMD, Loitering, Fall down

- NE5100, 2100 series: **Basic**

- NT4100/NT2100 PTZ series: **Basic** + Unattended baggage detection, Object removal detection, Scene change detection



○ Network Camera

- High sensitivity SONY STARVIS sensor provides crystal clear image in low light condition (NK series)
- Optimized SoC designed with Codec and high performance ISP supporting 3D-DNR, WDR and etc
- Enhanced stability with revolutionary response speed, minimum booting time, low heat generation and low power consumption

○ NVR

- Max 400Mbps high-performance recording speed
- Max 4K UHD input & recording, all channel real-time monitoring & playback simultaneously
- Compatible with various 3rd party IPCs
- Support Auto IP feature which automatically adds IPC to NVR without network set up (PoE models)



NK5100 series



NDAAA COMPLIANT

KOR SoC AI

NK5100BL-IR48-AF

Image Sensor	1/2.8" 5M CMOS	
Lens Type	Motorized Varifocal 2.7~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	60m	



NDAAA COMPLIANT

KOR SoC AI

NK5100BL-IR42-F3.6

Image Sensor	1/2.8" 5M CMOS	
Lens Type	Fixed 3.6mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	50m	



NDAAA COMPLIANT

KOR SoC AI

NK5100D-IR30-AF

Image Sensor	1/2.8" 5M CMOS	
Lens Type	Motorized Varifocal 2.7~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	40m	



NDAAA COMPLIANT

KOR SoC AI

NK5100D-IR24-F3.6

Image Sensor	1/2.8" 5M CMOS	
Lens Type	Fixed 3.6mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	30m	



NDAAA COMPLIANT

KOR SoC AI

NK5100D-F2.0

Image Sensor	1/2.8" 5M CMOS	
Lens Type	Fixed 2.0mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0.0005Lux@F1.3
IR Distance	-	



NDAAA COMPLIANT

KOR SoC AI

NK5100VD-SIR6-AF

Image Sensor	1/2.8" 5M CMOS	
Lens Type	Motorized Varifocal 2.7~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	80m	



NDAAA COMPLIANT

KOR SoC AI

NK5100H-SIR6-AF

Image Sensor	1/2.8" 5M CMOS	
Lens Type	Motorized Varifocal 2.7~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	80m	



NDAAA COMPLIANT

KOR SoC AI

NK5100H-SIR6-F3.6S

Image Sensor	1/2.8" 5M CMOS	
Lens Type	Fixed 3.6mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	80m	

4/5MP

Network Camera

NE5100 series



NDA A COMPLIANT

AI

NE5100BL-SIR2-AF

Image Sensor	1/2.7" 5M CMOS
Lens Type	Motorized Varifocal 2.8~12mm
Min. Illumination	Color 0.007Lux@F1.6 B/W 0Lux (IR LED On)
IR Distance	50m



NDA A COMPLIANT

AI

NE5100BL-SIR1-F2.8

Image Sensor	1/2.7" 5M CMOS
Lens Type	Fixed 2.8mm
Min. Illumination	Color 0.007Lux@F1.6 B/W 0Lux (IR LED On)
IR Distance	30m



NDA A COMPLIANT

AI

NE5100ED-SIR2-AF

Image Sensor	1/2.7" 5M CMOS
Lens Type	Motorized Varifocal 2.8~12mm
Min. Illumination	Color 0.007Lux@F1.6 B/W 0Lux (IR LED On)
IR Distance	50m



NDA A COMPLIANT

AI

NE5100ED-SIR1-F2.8

Image Sensor	1/2.7" 5M CMOS
Lens Type	Fixed 2.8mm
Min. Illumination	Color 0.007Lux@F1.6 B/W 0Lux (IR LED On)
IR Distance	30m



NDA A COMPLIANT

AI

NE5100VD-SIR2-AF

Image Sensor	1/2.7" 5M CMOS
Lens Type	Motorized Varifocal 2.8~12mm
Min. Illumination	Color 0.007Lux@F1.6 B/W 0Lux (IR LED On)
IR Distance	50m



NDA A COMPLIANT

AI

NE5100VD-SIR1-F2.8

Image Sensor	1/2.7" 5M CMOS
Lens Type	Fixed 2.8mm
Min. Illumination	Color 0.007Lux@F1.6 B/W 0Lux (IR LED On)
IR Distance	30m

NT5100 series

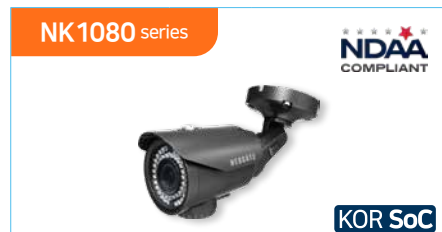


NDA A COMPLIANT

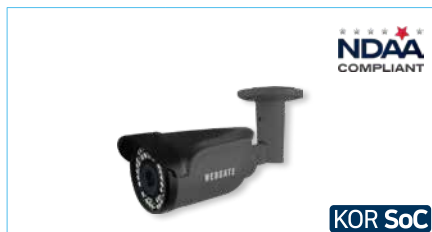
AI

NT5100D-SIR1-F3.6

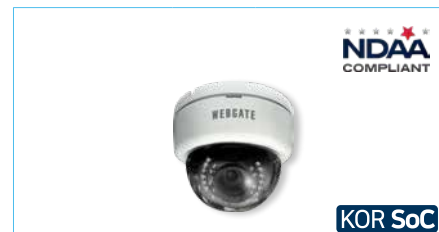
Image Sensor	1/2.7" 5M CMOS
Lens Type	Fixed 3.6mm
Min. Illumination	Color 0.02Lux@F1.6 B/W 0.007Lux @F1.2
IR Distance	20m



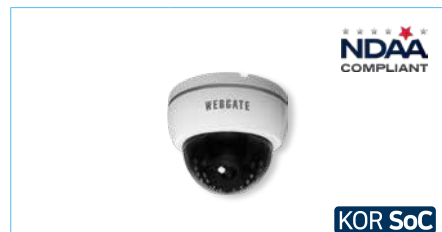
NK1080BL-IR48-AF		
Image Sensor	1/2.8" 2M CMOS	
Lens Type	Motorized Varifocal	
	2.7~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	60m	



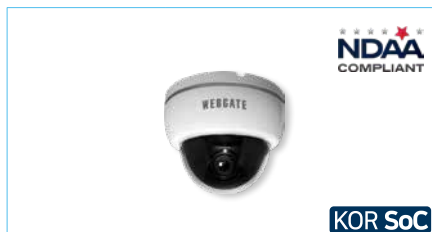
NK1080BL-IR42-F3.6		
Image Sensor	1/2.8" 2M CMOS	
Lens Type	Fixed	
	3.6mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	50m	



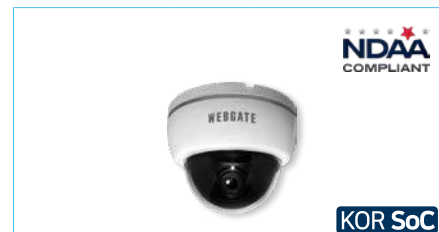
NK1080D-IR30-AF		
Image Sensor	1/2.8" 2M CMOS	
Lens Type	Motorized Varifocal	
	2.7~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	40m	



NK1080D-IR24-F3.6		
Image Sensor	1/2.8" 2M CMOS	
Lens Type	Fixed	
	3.6mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	30m	



NK1080D-F2.8		
Image Sensor	1/2.8" 2M CMOS	
Lens Type	Fixed	
	2.8mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0.0005Lux@F1.3
IR Distance	-	



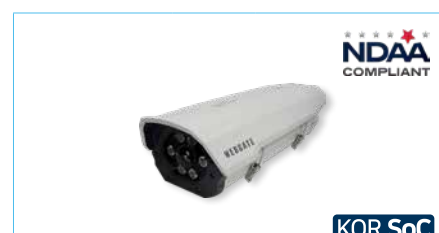
NK1080D-F2.0		
Image Sensor	1/2.8" 2M CMOS	
Lens Type	Fixed	
	2.0mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0.0005Lux@F1.3
IR Distance	-	



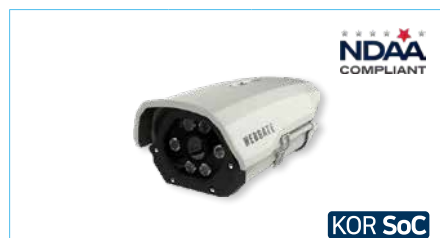
NK1080VD-SIR18-AF		
Image Sensor	1/2.8" 2M CMOS	
Lens Type	Motorized Varifocal	
	2.7~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	45m	



NK1080H-IR100-AF		
Image Sensor	1/2.8" 2M CMOS	
Lens Type	Motorized Varifocal	
	2.7~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	80m	

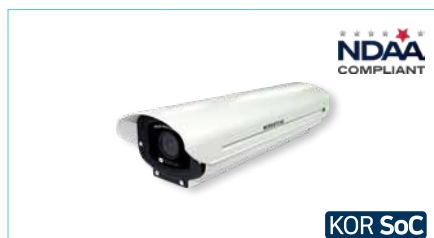


NK1080H-IR100-F550		
Image Sensor	1/2.8" 2M CMOS	
Lens Type	Varifocal	
	5~50mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	80m	



NK1080H-IR100-F3.6S

Image Sensor	1/2.8" 2M CMOS	
Lens Type	Fixed	
	3.6mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	80m	



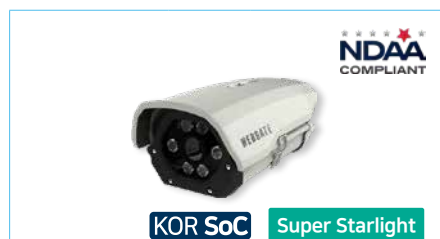
NK1080SH-F3.6

Image Sensor	1/2.8" 2M CMOS	
Lens Type	Fixed	
	3.6mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0.0005Lux@F1.3
IR Distance	-	



NK1080H-SIR12-F550-LPR

Image Sensor	1/2.8" 2M CMOS	
Lens Type	Varifocal	
	5~50mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	160m	



NK1080H-IR100-F3.6SL

Image Sensor	1/2.8" 2M CMOS	
Lens Type	Fixed	
	3.6mm	
Min. Illumination	Color	0.01Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	80m	



NE2100BL-SIR2-AF

Image Sensor	1/2.8" 2M CMOS	
Lens Type	Motorized Varifocal	
	2.8~12mm	
Min. Illumination	Color	0.005Lux@F1.6
	B/W	0Lux (IR LED On)
IR Distance	50m	



NE2100BL-SIR1-F2.8

Image Sensor	1/2.8" 2M CMOS	
Lens Type	Fixed	
	2.8mm	
Min. Illumination	Color	0.008Lux@F1.6
	B/W	0Lux (IR LED On)
IR Distance	30m	



NE2100ED-SIR2-AF

Image Sensor	1/2.8" 2M CMOS	
Lens Type	Motorized Varifocal	
	2.8~12mm	
Min. Illumination	Color	0.005Lux@F1.6
	B/W	0Lux (IR LED On)
IR Distance	50m	



NE2100ED-SIR1-F2.8

Image Sensor	1/2.8" 2M CMOS	
Lens Type	Fixed	
	2.8mm	
Min. Illumination	Color	0.008Lux@F1.6
	B/W	0Lux (IR LED On)
IR Distance	30m	

NT4100 series



AI

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NT4100PT-IR-Z25W		
Image Sensor	1/2.7" 4M CMOS	
Lens Type	Motorized Varifocal 4.8~120mm(25x Optical)	
Min. Illumination	Color	0.01Lux@F1.6
	B/W	0Lux (IR LED On)
IR Distance	160m	



AI

NT4100PT-IR-Z37W		
Image Sensor	1/1.8" 4M CMOS	
Lens Type	Motorized Varifocal 5.6~208mm(37x Optical)	
Min. Illumination	Color	0.005Lux@F1.5
	B/W	0Lux (IR LED On)
IR Distance	500m	

NT2100 series



AI

NT2100PT-IR-Z25W		
Image Sensor	1/2.8" 2M CMOS	
Lens Type	Motorized Varifocal 4.8~120mm(25x Optical)	
Min. Illumination	Color	0.005Lux@F1.6
	B/W	0Lux (IR LED On)
IR Distance	150m	



AI

NT2100PT-IR-Z32W		
Image Sensor	1/2.8" 2M CMOS	
Lens Type	Motorized Varifocal 4.5~144mm(32x Optical)	
Min. Illumination	Color	0.005Lux@F1.6
	B/W	0Lux (IR LED On)
IR Distance	150m	

4K

Network NVR

UHN series



64CH

UHN6400-H6R

Protocol	WESP, Onvif			
Resolution	720p~4K			
Recording Bandwidth	400Mbps			
Network port	2 Gigabit Ethernet(LAN/WAN)			
Video	Input	64CH IP	Output	1 HDMI, 1 VGA, 1 CVBS
Audio	Input	1 RCA	Output	1 HDMI, 1 RCA
HDD	6 SATA, 1 eSATA			
Dimension	445 × 418 × 88mm, 5.46kg			

NDAA
COMPLIANT

16CH

PoE

UHN1616P-H2-V3

Protocol	WESP, Onvif			
Resolution	720p~4K			
Recording Bandwidth	96Mbps			
Network port	16 PoE(LAN), 1 Gigabit Ethernet(LAN/WAN)			
Video	Input	16CH IP	Output	1 HDMI, 1 VGA
Audio	Input	1 RCA	Output	1 HDMI, 1 RCA
HDD	2 SATA			
Dimension	378 × 317 × 51mm, 2.3kg			

NDAA
COMPLIANT

8CH

PoE

UHN808P-H1-V3

Protocol	WESP, Onvif			
Resolution	720p~4K			
Recording Bandwidth	80Mbps			
Network port	8 PoE(LAN), 1 Gigabit Ethernet(LAN/WAN)			
Video	Input	8CH IP	Output	1 HDMI, 1 VGA
Audio	Input	1 RCA	Output	1 HDMI, 1 RCA
HDD	1 SATA			
Dimension	300 × 209 × 49mm, 1.1kg			

NDAA
COMPLIANT

4CH

PoE

UHN404P-H1-V3

Protocol	WESP, Onvif			
Resolution	720p~4K			
Recording Bandwidth	40Mbps			
Network port	4 PoE(LAN), 1 Fast Ethernet(LAN/WAN)			
Video	Input	4CH IP	Output	1 HDMI, 1 VGA
Audio	Input	1 RCA	Output	1 HDMI, 1 RCA
HDD	1 SATA			
Dimension	300 × 209 × 49mm, 1kg			



64CH

Hot-swap support

UHN6400-H16S

Protocol	WESP, Onvif			
Resolution	720p~4K			
Recording Bandwidth	400Mbps			
Network port	2 Gigabit Ethernet(LAN/WAN)			
Video	Input	64CH IP	Output	2 HDMI, 1 VGA
Audio	Input	1 RCA	Output	1 HDMI, 1 RCA
HDD	16 SATA			
Dimension	437 × 483 × 143mm, 10.06kg			



64CH

UHN6400-H8

Protocol	WESP, Onvif			
Resolution	720p~4K			
Recording Bandwidth	400Mbps			
Network port	2 Gigabit Ethernet(LAN/WAN)			
Video	Input	64CH IP	Output	2 HDMI, 1 VGA
Audio	Input	1 RCA	Output	1 HDMI, 1 RCA
HDD	8 SATA, 1 eSATA			
Dimension	445 × 436 × 90mm, 5.58kg			



36CH

UHN3600-H8

Protocol	WESP, Onvif			
Resolution	720p~4K			
Recording Bandwidth	320Mbps			
Network port	2 Gigabit Ethernet(LAN/WAN)			
Video	Input	36CH IP	Output	2 HDMI, 1 VGA
Audio	Input	1 RCA	Output	1 HDMI, 1 RCA
HDD	8 SATA, 1 eSATA			
Dimension	445 × 436 × 90mm, 5.58kg			

WEBGATE



Fire Prevention Solution

WEBGATE's smart flame detection camera, with WEBGATE's specialized AI technology and a dedicated flame detection sensor, accurately detects fire flame and smoke to help suppressing fire at its early stage.

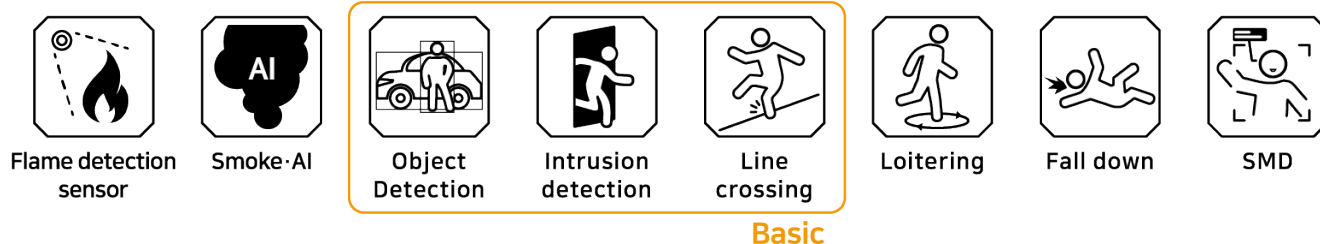


○ Intelligent Flame Detection CCTV Camera

✓ Advanced fire detection performance

Quick and accurate detection by specialized AI technology and a dedicated flame detection IR sensor

AI Feature



✓ Applicable to weld, smoke and dust environments

Applicable to weld, smoke and dust environments where UV sensor type devices cannot identify

✓ Minimized false alarms with optimized setting

Optimized to various environments with precise sensitivity control and detection time setting

✓ Real-time fire check

Real-time check for fire scene and malfunctioning of device through live view and flame detecting gauge



✓ Accurate results in indoor/outdoor environments

Webgate's specialized technology overcomes physical limitations of IR sensors which can generate false alarm

✓ Various types of housing

Ex-proof, bullet, dome type line up for a wide range of industrial sites



Fire Detection Footage

✓ Expanded industrial safety solution

AI deep learning engine provides intrusion, worker fall detection and etc. for industrial safety



Quick detection

Detect momentary ignition, explosion in 1 second



Real-time notification

Live alert to CMS and Mobile App



Compatibility

Compatible with various firefighting equipment



High accuracy

Dedicated Flame detection sensor



AI technology

Intrusion and fall detection through deep learning algorithm



All in one CCTV

Video surveillance and fire prevention simultaneously



NK5100 series





NK5100BL-AF-F2

Image Sensor	1/2.8" 5M CMOS
Lens Type	Motorized Varifocal 2.7~12mm
Min. Illumination	Color 0.02Lux@F1.3 B/W 0Lux (IR LED On)
IR Distance	45m

NK2100 series





NK2100BL-AF-F2

Image Sensor	1/2.8" 2M CMOS
Lens Type	Motorized Varifocal 2.7~12mm
Min. Illumination	Color 0.02Lux@F1.3 B/W 0Lux (IR LED On)
IR Distance	45m





NK2100ED-F1

Image Sensor	1/2.8" 2M CMOS
Lens Type	Fixed 3.6mm
Min. Illumination	Color 0.02Lux@F1.3 B/W 0Lux (IR LED On)
IR Distance	30m





JDG-I3-NK2100EX-F2

Image Sensor	1/2.8" 2M CMOS
Lens Type	Fixed 3.6mm
Min. Illumination	Color 0.02Lux@F1.3 B/W 0Lux (IR LED On)
IR Distance	15m

NK1080 series





NK1080BL-AF-F2

Image Sensor	1/2.8" 2M CMOS
Lens Type	Motorized Varifocal 2.7~12mm
Min. Illumination	Color 0.02Lux@F1.3 B/W 0Lux (IR LED On)
IR Distance	40m





NK1080D-F1

Image Sensor	1/2.8" 2M CMOS
Lens Type	Fixed 3.6mm
Min. Illumination	Color 0.02Lux@F1.3 B/W 0Lux (IR LED On)
IR Distance	30m



○ Smart Heat Detection CCTV Camera

- The most optimized heat detection CCTV solution for EV charging station, data center, unmanned factories and etc
- Embedded thermal sensor for heat detection up to 450°C
- Special glass for long range detection
- Push alarm to DVR(NVR), PC(CMS) and smart phone

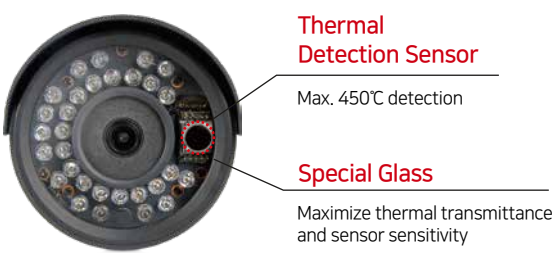
NK1080 series



KOR SoC

NK1080BL-T450

Image Sensor	1/2.8" 2M CMOS	
Lens Type	Fixed	
	3.6mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	40m	

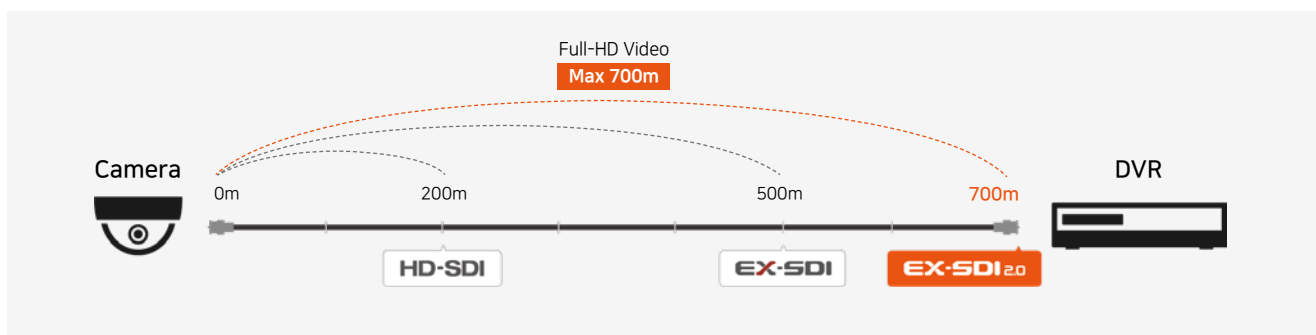


EX-SDI Solution



EX-SDI Camera

- EX-SDI is enhanced technology of HD-SDI to extend the transmission distance without image deterioration through VLC(Visually Lossless Codec)
- EX-SDI 2.0 can transmit the Full-HD image up to 700m through coaxial cable(5C-HFBT)
- High sensitivity SONY STARVIS sensor provides crystal clear image in low light condition
- Proven quality of Made in Korea and reasonable price





Universal DVR

- The Universal DVR is the optimum solution for any site, any camera
- From SD to UHD, including IPC, the Universal DVR support all kinds of video formats



Product Category	Video Format	IP	Analog			Digital			
		ONVIF WESP	CVBS	TVI	AHD	HD-SDI	EX-SDI 1.0 / 2.0	EX-SDI 2.1	EX-SDI TDM
Universal DVR		Support all kinds of video formats from Analog to EX-SDI, including IP							
Digital HD DVR						Digital HD			
Analog HD DVR		Analog SD / HD							
NVR		IP							

K4000 series



K4000BL-IR48-AF

Image Sensor	1/2.8" 5M CMOS	
Lens Type	Motorized Varifocal	
	2.7~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	60m	



K4000BL-IR42-F3.6

Image Sensor	1/2.8" 5M CMOS	
Lens Type	Fixed	
	3.6mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	50m	



K4000D-IR30-AF

Image Sensor	1/2.8" 5M CMOS	
Lens Type	Motorized Varifocal	
	2.7~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	40m	



K4000D-IR30

Image Sensor	1/2.8" 5M CMOS	
Lens Type	Varifocal	
	2.7~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	40m	



K4000D-IR24-F3.6

Image Sensor	1/2.8" 5M CMOS	
Lens Type	Fixed	
	3.6mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	30m	



K4000D-F2.8

Image Sensor	1/2.8" 5M CMOS	
Lens Type	Fixed	
	2.8mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0.0005Lux@F1.3
IR Distance	-	



K4000D-F3.6

Image Sensor	1/2.8" 5M CMOS	
Lens Type	Fixed	
	3.6mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0.0005Lux@F1.3
IR Distance	-	



K4000VD-SIR18-AF

Image Sensor	1/2.8" 5M CMOS	
Lens Type	Motorized Varifocal	
	2.7~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	45m	



K4000VD-SIR18

Image Sensor	1/2.8" 5M CMOS	
Lens Type	Varifocal	
	2.7~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	45m	



K4000H-IR100-AF		
Image Sensor	1/2.8" 5M CMOS	
Lens Type	Motorized Varifocal	
	2.7~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	80m	



K4000H-IR100-F3.6S		
Image Sensor	1/2.8" 5M CMOS	
Lens Type	Fixed	
	3.6mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	80m	

K1080 series



K1080BL-IR48

Image Sensor	1/2.8" 2M CMOS	
Lens Type	Varifocal	
	2.7~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	60m	



K1080BL-IR42-F3.6

Image Sensor	1/2.8" 2M CMOS	
Lens Type	Fixed	
	3.6mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	50m	



K1080BL-IR36-F3.6

Image Sensor	1/2.8" 2M CMOS	
Lens Type	Fixed	
	3.6mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	45m	



K1080D-IR30

Image Sensor	1/2.8" 2M CMOS	
Lens Type	Varifocal	
	2.8~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	40m	



K1080D-IR24-F3.6

Image Sensor	1/2.8" 2M CMOS	
Lens Type	Fixed	
	3.6mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	30m	



K1080D-IR24-F2.8

Image Sensor	1/2.8" 2M CMOS	
Lens Type	Fixed	
	2.8mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	30m	



K1080D-F2.8

Image Sensor	1/2.8" 2M CMOS	
Lens Type	Fixed	
	2.8mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0.0005Lux@F1.3
IR Distance	-	



K1080D-F2.0

Image Sensor	1/2.8" 2M CMOS	
Lens Type	Fixed	
	2.0mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0.0005Lux@F1.3
IR Distance	-	



K1080VD-SIR18

Image Sensor	1/2.8" 2M CMOS	
Lens Type	Varifocal	
	2.8~12m	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	45m	



K1080H-IR100		
Image Sensor	1/2.8" 2M CMOS	
Lens Type	Varifocal	
	2.7~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	80m	



License plate recognition

K1080H-SIR12-F550-LPR		
Image Sensor	1/2.8" 2M CMOS	
Lens Type	Varifocal	
	5~50mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	160m	



K1080H-IR100-F550		
Image Sensor	1/2.8" 2M CMOS	
Lens Type	Varifocal	
	5~50mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	80m	



K1080H-IR100-F3.6S		
Image Sensor	1/2.8" 2M CMOS	
Lens Type	Fixed	
	3.6mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	80m	



K1080SH-F3.6C		
Image Sensor	1/2.8" 2M CMOS	
Lens Type	Fixed	
	3.6mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0.0005Lux@F1.3
IR Distance	-	

UHD series



16CH

UHD1608F-UR

Protocol	HD-SDI, EX-SDI & TDM, AHD, TVI, CVBS, Network Camera(WESP, Onvif)			
Max. Resolution	HD-SDI(2M), EX-SDI(4K), EX-SDI TDM(2M), AHD(4M), TVI(4M), CVBS(960H), Network Camera(4K)			
Frame Rate	Max. 480fps@2MP, 480fps@4MP, 240fps@4K			
Compression	H.264, JPEG			
Network port	1 Gigabit Ethernet(LAN/WAN)			
Video	Input	16CH	Output	1 HDMI, 1 VGA, 1 CVBS, 1 SDI
Audio	Input	4 RCA & SDI	Output	1 HDMI, 1 RCA
HDD	6 SATA, 1 eSATA, built-in RAID(1/5/10)			
Dimension	445 × 418 × 88mm, 5.8Kg			

* To be upgrade



16CH

UHD1608F-U

Protocol	HD-SDI, EX-SDI & TDM, AHD, TVI, CVBS, Network Camera(WESP, Onvif)			
Max. Resolution	HD-SDI(2M), EX-SDI(4K), EX-SDI TDM(2M), AHD(4M), TVI(4M), CVBS(960H), Network Camera(4K)			
Frame Rate	Max. 480fps@2MP, 480fps@4MP, 240fps@4K			
Compression	H.264, JPEG			
Network port	1 Gigabit Ethernet(LAN/WAN)			
Video	Input	16CH	Output	1 HDMI, 1 VGA, 1 CVBS, 1 SDI
Audio	Input	4 RCA & SDI	Output	1 HDMI, 1 RCA
HDD	6 SATA, 1 eSATA			
Dimension	445 × 418 × 88mm, 5.8Kg			

* To be upgrade



8CH

UHD804F-U

Protocol	HD-SDI, EX-SDI & TDM, AHD, TVI, CVBS, Network Camera(WESP, Onvif)			
Max. Resolution	HD-SDI(2M), EX-SDI(4K), EX-SDI TDM(2M), AHD(4M), TVI(4M), CVBS(960H), Network Camera(4K)			
Frame Rate	Max. 240fps@2MP, 240fps@4MP, 120fps@4K			
Compression	H.264, JPEG			
Network port	1 Gigabit Ethernet(LAN/WAN)			
Video	Input	8CH	Output	1 HDMI, 1 VGA, 1 CVBS
Audio	Input	1 RCA & SDI	Output	1 HDMI, 1 RCA
HDD	2 SATA, 1 eSATA			
Dimension	380 × 269 × 45mm, 1.86Kg			

* To be upgrade



4CH

UHD402F-U

Protocol	HD-SDI, EX-SDI & TDM, AHD, TVI, CVBS, Network Camera(WESP, Onvif)			
Max. Resolution	HD-SDI(2M), EX-SDI(4K), EX-SDI TDM(2M), AHD(4M), TVI(4M), CVBS(960H), Network Camera(4K)			
Frame Rate	Max. 120fps@2MP, 120fps@4MP, 60fps@4K			
Compression	H.264, JPEG			
Network port	1 Gigabit Ethernet(LAN/WAN)			
Video	Input	4CH	Output	1 HDMI, 1 VGA, 1 CVBS
Audio	Input	1 RCA	Output	1 HDMI, 1 RCA
HDD	2 SATA, 1 eSATA			
Dimension	380 × 269 × 45mm, 1.8Kg			

* To be upgrade

HDC series



4CH

HDC442F-D

Protocol	HD-SDI, EX-SDI & TDM, Network Camera(WESP, Onvif)			
Max. Resolution	HD-SDI(2M), EX-SDI(4M), EX-SDI TDM(2M), Network Camera(4M)			
Frame Rate	Max. 120fps@2MP, 4MP			
Compression	H.264, JPEG			
Network port	1 Gigabit Ethernet(LAN/WAN)			
Video	Input	4CH	Output	1 HDMI, 1 VGA
Audio	Input	-	Output	1 HDMI
HDD	1 SATA			
Dimension	260 × 241 × 45mm, 1.2kg			

* To be upgrade

PoC Solution



○ Installation time

- 30% faster than general cameras
- No need to install power cable and hsbox
- Minimize perforation on the exterior of the building as there's no need to install power box

○ Surge Protection

- 50% better than general products
- Minimize surge problem from potential difference
- Satisfy the Class3 (2kv) level of international standard on surge immunity (IEC 61000-4-5)

○ Intelligent outage recovery

- IPFR(Intelligent Power Failure Recovery) technology
- HDD controllable SMPS and protection circuit even under power lost

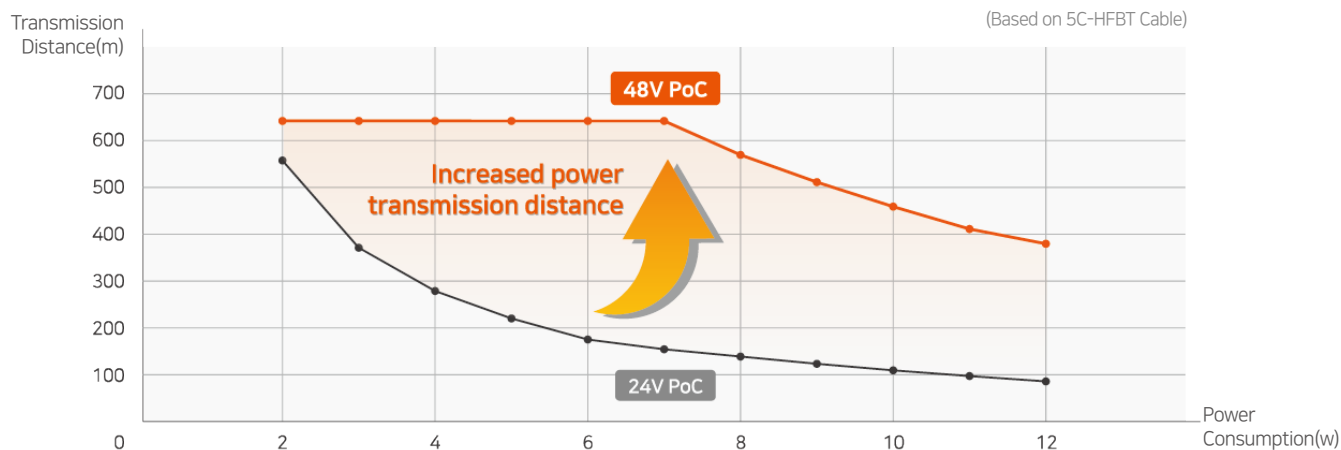


One Cable Solution

- **PoC(Power over Coax)** : Only one Coax Cable is required to supply power. Do not require any power line.
- **CoC(Control over Coax)** : Only one Coax Cable is required to control camera. Do not require RS485 line.



48V PoC Increased power transmission distance



		
K4000P series		
K4000PBL-IR48-AF		
Image Sensor	1/2.8" 5M CMOS	
Lens Type	Motorized Varifocal	
	2.7~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	60m	

		
K4000PBL-IR42-F3.6		
Image Sensor	1/2.8" 5M CMOS	
Lens Type	Fixed	
	3.6mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	50m	

		
K4000PD-IR30-AF		
Image Sensor	1/2.8" 5M CMOS	
Lens Type	Motorized Varifocal	
	2.7~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	40m	

		
K4000PD-IR24-F3.6		
Image Sensor	1/2.8" 5M CMOS	
Lens Type	Fixed	
	3.6mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	30m	

		
K4000PD-F2.8		
Image Sensor	1/2.8" 5M CMOS	
Lens Type	Fixed	
	2.8mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0.0005Lux@F1.3
IR Distance	-	

		
K4000PD-F3.6		
Image Sensor	1/2.8" 5M CMOS	
Lens Type	Fixed	
	3.6mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0.0005Lux@F1.3
IR Distance	-	

		
K4000PVD-SIR18-AF		
Image Sensor	1/2.8" 5M CMOS	
Lens Type	Motorized Varifocal	
	2.7~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	45m	

		
K4000PH-IR100-AF		
Image Sensor	1/2.8" 5M CMOS	
Lens Type	Motorized Varifocal	
	2.7~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	80m	

		
K4000PH-IR100		
Image Sensor	1/2.8" 5M CMOS	
Lens Type	Varifocal	
	2.7~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	80m	



K4000PH-IR100-F3.6S

Image Sensor	1/2.8" 5M CMOS	
Lens Type	Fixed	
	3.6mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	80m	

K1080P series



K1080PBL-IR48-AF

Image Sensor	1/2.8" 2M CMOS	
Lens Type	Motorized Varifocal	
	2.7~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	60m	



K1080PBL-IR48

Image Sensor	1/2.8" 2M CMOS	
Lens Type	Varifocal	
	2.7~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	60m	



K1080PBL-IR42-F3.6

Image Sensor	1/2.8" 2M CMOS	
Lens Type	Fixed	
	3.6mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	50m	



K1080PD-IR30-AF

Image Sensor	1/2.8" 2M CMOS	
Lens Type	Motorized Varifocal	
	2.7~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	40m	



K1080PD-IR30

Image Sensor	1/2.8" 2M CMOS	
Lens Type	Varifocal	
	2.8~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	40m	



K1080PD-IR24-F3.6

Image Sensor	1/2.8" 2M CMOS	
Lens Type	Fixed	
	3.6mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	30m	



K1080PD-F3.6

Image Sensor	1/2.8" 2M CMOS	
Lens Type	Fixed	
	3.6mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0.0005Lux@F1.3
IR Distance	-	



K1080PD-F2.8

Image Sensor	1/2.8" 2M CMOS	
Lens Type	Fixed	
	2.8mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0.0005Lux@F1.3
IR Distance	-	



K1080PVD-SIR18-AF

Image Sensor	1/2.8" 2M CMOS	
Lens Type	Motorized Varifocal	
	2.7~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	45m	



K1080PVD-SIR18		
Image Sensor	1/2.8" 2M CMOS	
Lens Type	Varifocal	
	2.8~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	45m	



K1080PH-IR100-AF		
Image Sensor	1/2.8" 2M CMOS	
Lens Type	Motorized Varifocal	
	2.7~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	80m	



K1080PH-IR100		
Image Sensor	1/2.8" 2M CMOS	
Lens Type	Varifocal	
	2.7~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	80m	



K1080PH-IR100-F3.6S		
Image Sensor	1/2.8" 2M CMOS	
Lens Type	Fixed	
	3.6mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	80m	



K1080PH-IR100-F6S		
Image Sensor	1/2.8" 2M CMOS	
Lens Type	Fixed	
	6mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	80m	

UHD series



16CH

UHD1608F-P

Protocol	HD-SDI, EX-SDI, EX-SDI TDM, Network Camera(WESP, Onvif)			
Max. Resolution	HD-SDI(2M), EX-SDI(4K) , EX-SDI TDM(2M), Network Camera(4K)			
Frame Rate	Max. 480fps@2MP, 480fps@4MP, 240fps@4K			
Compression	H.264, JPEG			
Network port	1 Gigabit Ethernet(LAN/WAN)			
Video	Input	16CH	Output	1 HDMI, 1 VGA, 1 CVBS, 1 SDI
Audio	Input	4 RCA	Output	1 HDMI, 1 RCA
HDD	6 SATA, 1 eSATA			
Dimension	445 × 418 × 88mm, 6Kg			

WEBGATE



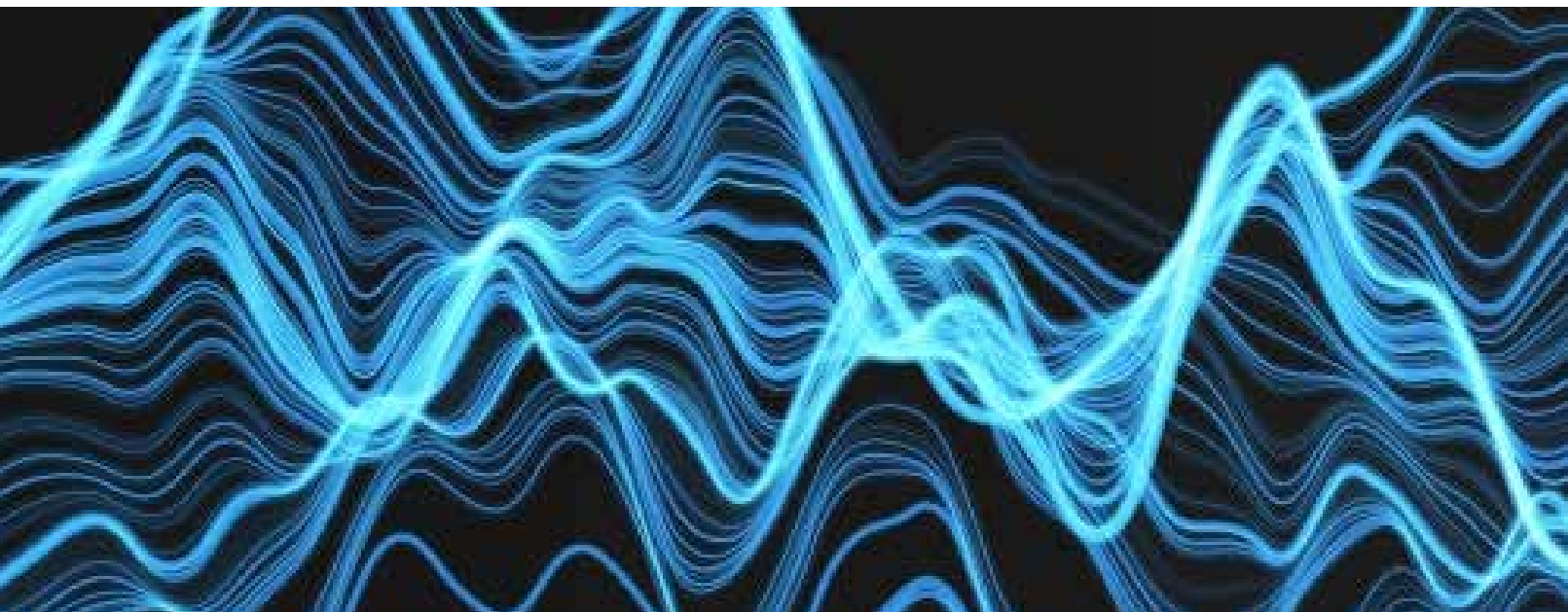
AHD / TVI Solution



○ AHD/TVI Camera

- Transmit video with Analog format
- Monitoring and recording with Full-HD high definition as well as Analog (SD)
- Transmit up to 500 meters, camera menu control (OSD) through UTC





○ Analog All in One DVR

- Support various video format such as CVBS, AHD, TVI and IP
- Transmit control signal from DVR to camera via coaxial cable (UTC)
- Reduce construction cost and time by using existing coaxial cable at sites



KT1080 series		
		
KT1080BL-IR48		
Image Sensor	1/2.8" 2M CMOS	
Lens Type	Varifocal	
	2.7~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	60m	

		
KT1080BL-IR36-F3.6		
Image Sensor	1/2.8" 2M CMOS	
Lens Type	Fixed	
	3.6mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	45m	

		
KT1080D-IR30		
Image Sensor	1/2.8" 2M CMOS	
Lens Type	Varifocal	
	2.8~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	40m	

		
KT1080D-IR24-F3.6		
Image Sensor	1/2.8" 2M CMOS	
Lens Type	Fixed	
	3.6mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	30m	

		
KT1080VD-SIR18		
Image Sensor	1/2.8" 2M CMOS	
Lens Type	Varifocal	
	2.8~12mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	45m	

		
KA1080B		
Image Sensor	1/2.8" 2M CMOS	
Lens Type	Option	
	C/CS Mount	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0.0005Lux@F1.3
IR Distance	-	

HAC series



16CH

HAC1650F-V3

Protocol	AHD, TVI, CVBS, Network Camera(WESP, Onvif)			
Max. Resolution	AHD(5M), TVI(5M), CVBS(960H), Network Camera(4K)			
Frame Rate	Max. 480fps@2MP, 240fps@4MP, 160fps@5MP			
Compression	H.264, H.265, MJPEG			
Network port	1 Gigabit Ethernet(LAN/WAN)			
Video	Input	16CH	Output	1 HDMI, 1 VGA, 1 CVBS
Audio	Input	8 RCA	Output	1 HDMI, 1 RCA
HDD	2 SATA, 1 eSATA			
Dimension	380 × 267.8 × 45mm 1.8Kg			



8CH

HAC850F-V3

Protocol	AHD, TVI, CVBS, Network Camera(WESP, Onvif)			
Max. Resolution	AHD(5M), TVI(5M), CVBS(960H), Network Camera(3M)			
Frame Rate	Max. 240fps@2MP, 120fps@4MP, 80fps@5MP			
Compression	H.264, H.265, JPEG			
Network port	1 Fast Ethernet(LAN/WAN)			
Video	Input	8CH	Output	1 HDMI, 1 VGA, 1 CVBS
Audio	Input	8 RCA	Output	1 HDMI, 1 RCA
HDD	1 SATA			
Dimension	300 × 248 × 45mm, 1.2Kg			



4CH

HAC450F-V3

Protocol	AHD, TVI, CVBS, Network Camera(WESP, Onvif)			
Max. Resolution	AHD(5M), TVI(5M), CVBS(960H), Network Camera(3M)			
Frame Rate	Max. 120fps@2MP, 60fps@4MP, 40fps@5MP			
Compression	H.264, H.265, JPEG			
Network port	1 Fast Ethernet(LAN/WAN)			
Video	Input	4CH	Output	1 HDMI, 1 VGA, 1 CVBS
Audio	Input	4 RCA	Output	1 HDMI, 1 RCA
HDD	1 SATA			
Dimension	300 × 249 × 45mm, 1.16Kg			

Other Product

Model	Photo	Type	Channel	Transmission	TX/RX	Voltage
OPT-TX1-RS485P(-48V)		Optical Converter	1CH	Fiber-optic	Transmitter	DC 24V
			1CH		Transmitter	DC 48V
OPT-RX1-RS485P			1CH		Receiver	DC 24V
OPT-TX4-RS485P			4CH		Transmitter	DC 24V
OPT-RX16-RS485C			16CH		Receiver	DC 12V

Joystick Keyboard



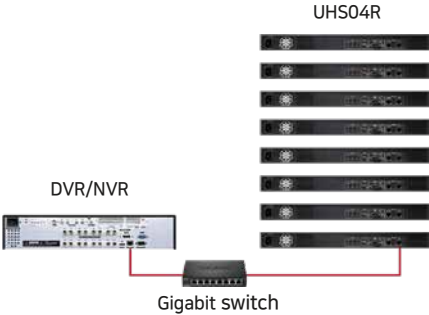
WKC-200

- Touch Pad Mouse
- Built-in 2-line character LCD
- Built-in 3-Axis proportional joystick
- Controls up to 255 cameras
- Easy to be integrated with DVR

External Storage



UHS04R



UHS04R

DVR/NVR

Gigabit switch

- WEBGATE' DVR/NVR Dedicated Network storage device
- Max. 256TB data capacity through 8 x UHS04R connection
- Built-in RAID 1/5/10
- IPFR (Intelligent Power Failure Recovery) file system
- Hot-swap, SATA type HDD bay (4ea)

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No.1 Integrated Video Security Solution

WEBGATE



Software



○ VMS _Control Center

- Central monitoring software supporting max. 1,024 units
- Support various useful features such as Viewset and eMAP(GIS map) grouping, hardware decoding and etc.
- Support AI camera event display



○ Mobile Viewer _WebEye

- Mobile App for remote monitoring anytime, anywhere
- Support live monitoring, PTZ control, event push alarm and etc
- Hardware decoding, 16 channel full frame decoding



○ HTML5 Web Viewer

- Monitoring and controlling through web browser without installing a separate plug-in (Active X)
- Full-frame monitoring, backup, playback, PTZ operation and other DVR control functions
- Support various web browsers such as Chrome, Edge, Safari and Mobile (iOS, Android)



○ Streaming Solution _WinRDS

- Streaming server to redistribute recorder's image to multiple users
- Max. 512 video stream input, max. 512 video stream distribution and simultaneous access

○ SDK _WESP

- WESP SDK with excellent flexibility and interoperability
- Support HTML5 SDK



www.youtube.com/webgate_cctv

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* Specifications are subject to change without prior notice for quality improvement.

* Visit our website(www.webgateinc.com) for up-to-date product information.