

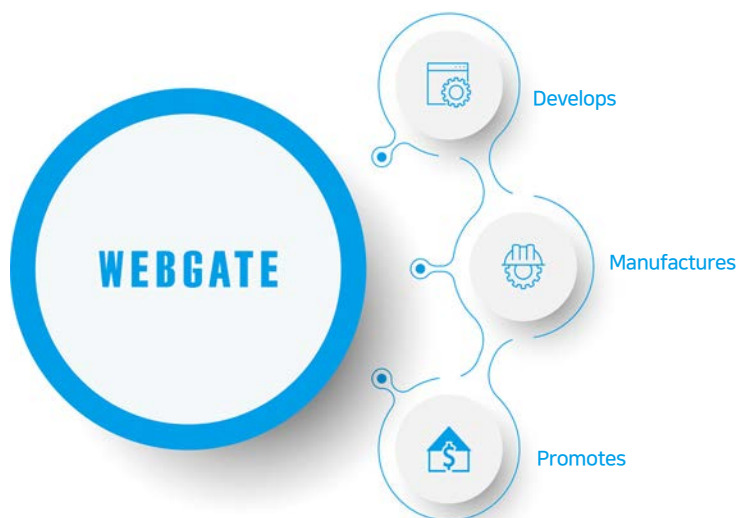
Made in **KOREA**

NO.1 INTEGRATED VIDEO SECURITY SOLUTION

WEBGATE

P R O D U C T & S O L U T I O N L I N E U P





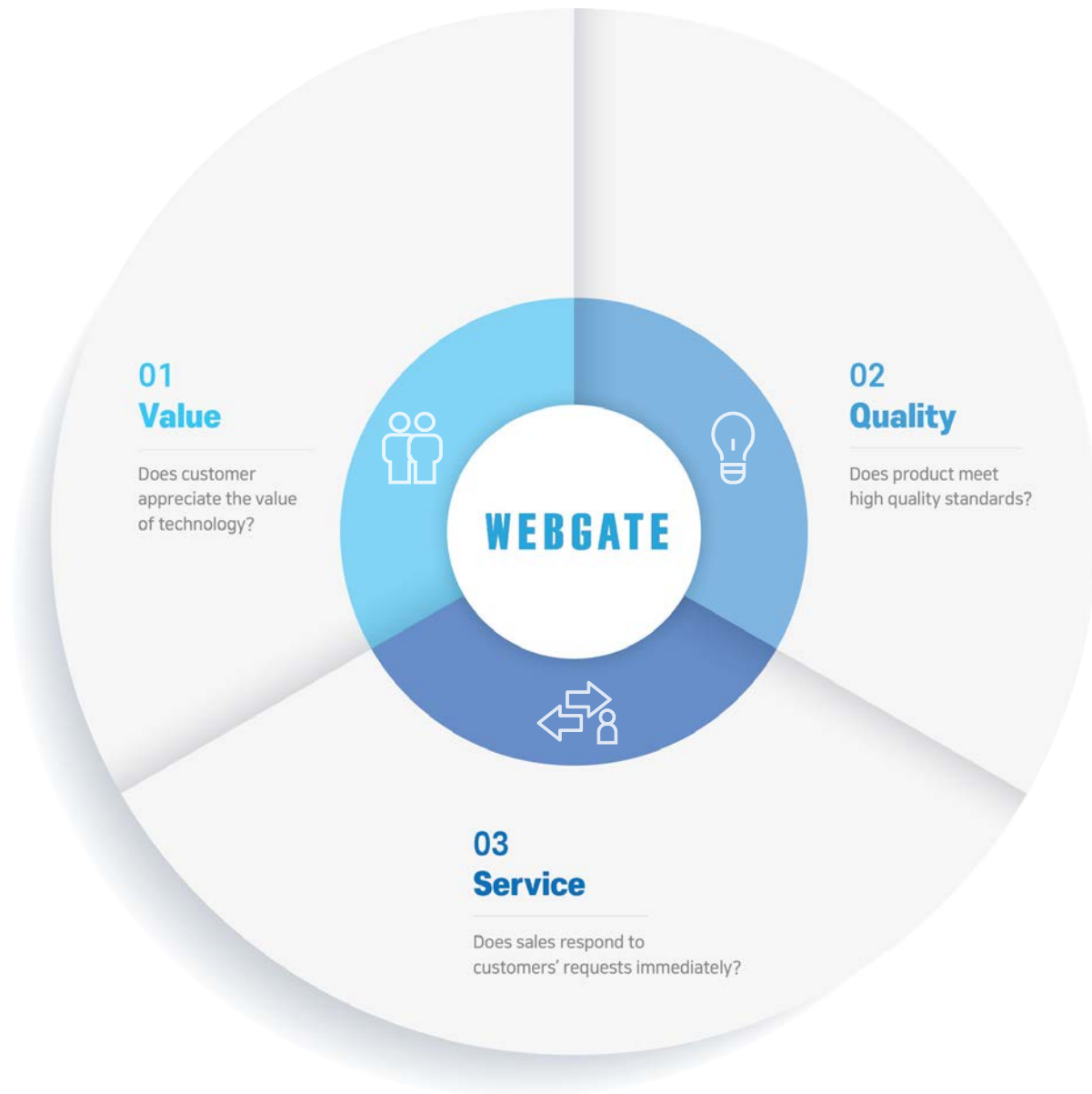
Company introduction

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.

We try harder for



Over 25 years' experience, R&D-based organization with experts in image storage field

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

Differentiated customer service through professional CS team



No.1 Integrated Video Security Solution



One-stop supply & development **for all you need !**

Full line-up Products



NVR / DVR

Universal DVR
Hybrid digital DVR
Hybrid analog DVR
4K UHD NVR



Camera

EX-SDI(HD-SDI) camera
AHD/TVI camera
IP camera
Specialized camera



Other Product

Converter
Joystick keyboard
External Storage



Software

VMS, Mobile Viewer
HTML5 Web Viewer
Streaming Solution
SDK

Tailor-made Solutions



PoC One Cable Solution



Fire prevention Solution



240fps High-Speed
recording



License Plate Number
Recognition



Smart NVR/ DVR



Contents.



Network Solution

4p

- Camera
- NVR



Fire Prevention Solution 12p

- Flame Detection Camera
- Heat Detection Camera



EX-SDI Solution

16p

- Camera
- DVR



PoC Solution

24p

- Camera
- DVR



AHD/TVI Solution

32p

- Camera
- DVR



Other Product

36p

- Converter
- Joystick keyboard
- External Storage

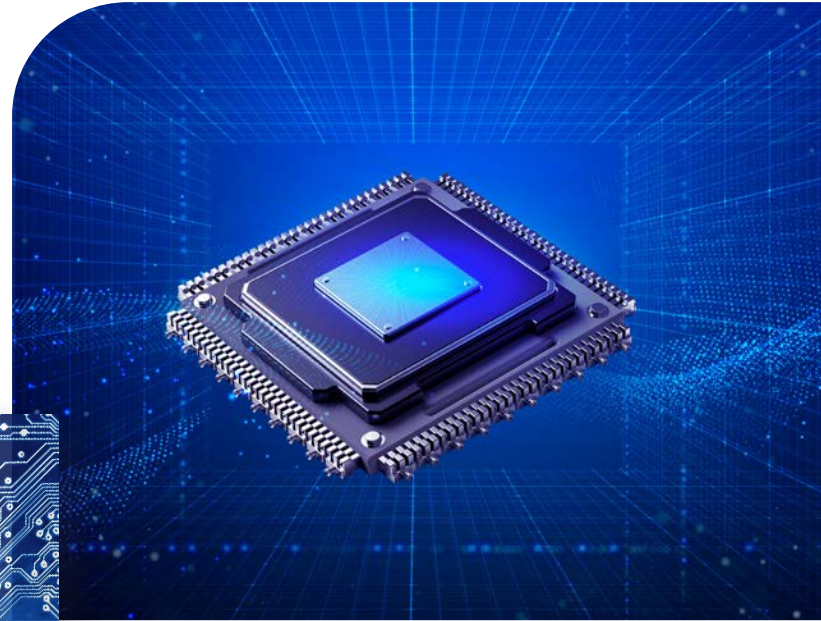


Software

38p

- VMS
- Mobile
- Redistribution server

Network Solution



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

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.)



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



★★★★★
NDAA
COMPLIANT



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	



★★★★★
NDAA
COMPLIANT



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	



★★★★★
NDAA
COMPLIANT



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	



★★★★★
NDAA
COMPLIANT



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	



★★★★★
NDAA
COMPLIANT



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	-	



★★★★★
NDAA
COMPLIANT



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	



★★★★★
NDAA
COMPLIANT



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	



★★★★★
NDAA
COMPLIANT



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	

NE5100 series



★★★★★
NDAA
COMPLIANT



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	



★★★★★
NDAA
COMPLIANT



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	



★★★★★
NDAA
COMPLIANT



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	



★★★★★
NDAA
COMPLIANT



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	



★★★★★
NDAA
COMPLIANT



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	



★★★★★
NDAA
COMPLIANT



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	

NK1080 series



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-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-IR36-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	

NE2100 series



★★★★★
NDAA
COMPLIANT



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	



★★★★★
NDAA
COMPLIANT



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	



★★★★★
NDAA
COMPLIANT



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	



★★★★★
NDAA
COMPLIANT



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	

UHN series



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			



16CH

UHN1600-H8

Protocol	WESP, Onvif			
Resolution	720p~4K			
Recording Bandwidth	160Mbps			
Network port	2 Gigabit Ethernet(LAN/WAN)			
Video	Input	16CH 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			



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	380 × 340 × 50mm, 2.3kg			



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 × 227 × 53mm, 1.1kg			



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 × 227 × 53mm, 1kg			

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

✓ Real-time fire check

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

✓ 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

✓ Advanced fire detection performance

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

✓ 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 Footag

✓ 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



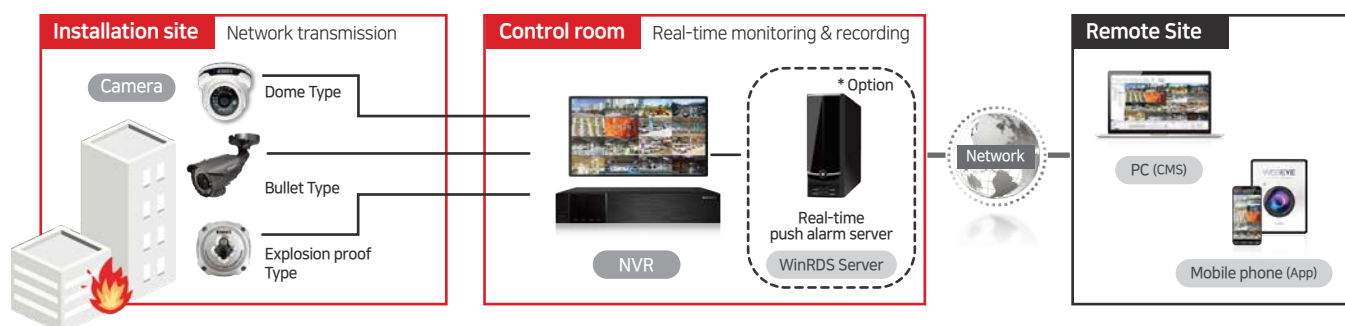
AI technology

Intrusion and fall detection through deep learning algorithm



All in one CCTV

Video surveillance and fire prevention simultaneously



Flame Detection Camera

2MP

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	



NK2100BL-F1

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	45m	



NK2100BL-F2

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	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	



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
- From EX-SDI(HD-SDI) to NETWORK, applicable to various site



**Thermal
Detection Sensor**

Max. 450°C detection

Special Glass

Maximize thermal transmittance
and sensor sensitivity

NK1080 series



NK1080BL-T450

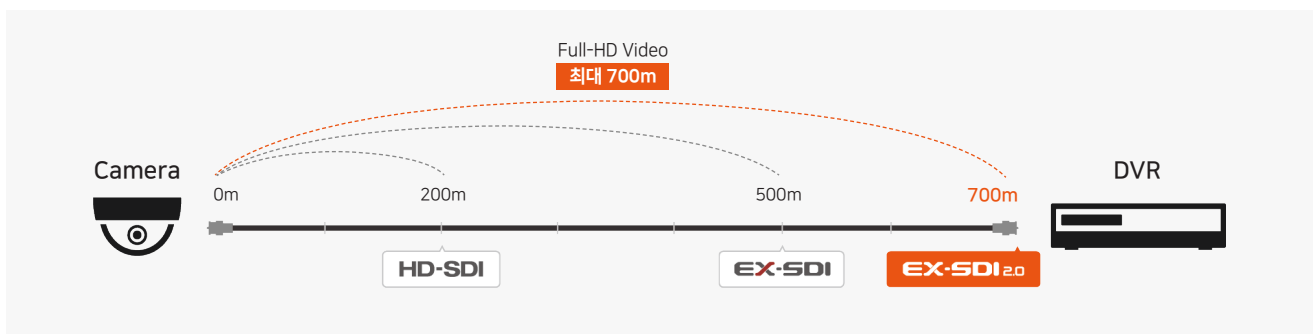
Image Sensor	1/2.8" 2M CMOS	
Lens Type	Fixed	
	3.6mm	
Min. Illumination	Color	0.02Lux@F1.3
	B/W	0Lux (IR LED On)
IR Distance	40m	

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-HFBS)
- 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-IR36-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-IR36

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-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-IR36

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	



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	



K1080H-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	



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	-	

EX-SDI DVR 4MP/4K

Life Safety Provider

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			



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			



8CH

UHD804F-U

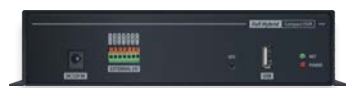
Protocol	HD-SDI, EX-SDI & TDM, AHD, TVI, CVBS, Network Camera(WESP, Onvif)			
Max. Resolution	HD-SDI(2M), EX-SDI(4K), EX-SDI TDM(2M), AHD(4M), TVI(4M), CVBS(960H), Network Camera(4K)			
Frame Rate	Max. 240fps@2MP, 240fps@4MP, 120fps@4K			
Compression	H.264, JPEG			
Network port	1 Gigabit Ethernet(LAN/WAN)			
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			



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			



2CH

UHD202F-U-V2

Protocol	HD-SDI, EX-SDI & TDM, AHD, TVI, CVBS, Network Camera(WESP, Onvif)			
Max. Resolution	HD-SDI(2M), EX-SDI(4M), EX-SDI TDM(2M), AHD(4M), TVI(4M), CVBS(960H), Network Camera(4M)			
Frame Rate	Max. 120fps@2MP, 120fps@4MP			
Compression	H.264, H.265, JPEG			
Network port	1 Gigabit Ethernet(LAN/WAN)			
Video	Input	2CH	Output	1 HDMI, 1 SDI, 1 AHD/ TVI
Audio	Input	1 RCA	Output	1 HDMI, 1 RCA
HDD	1 SATA 2.5" HDD or 1 SATA 2.5" SSD			
Dimension	194 × 190 × 44mm, 1.2kg			

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			

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

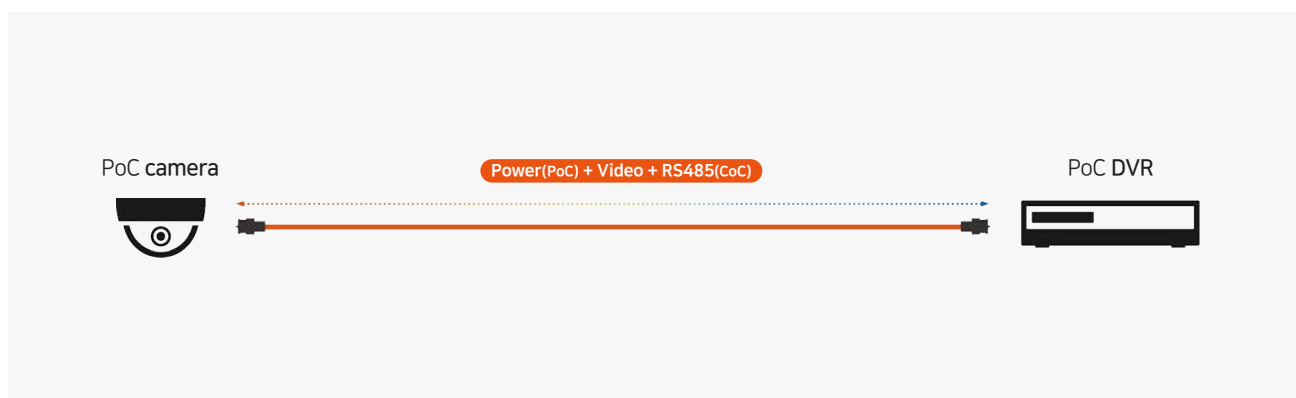
- 50% better than general products
- Minimize surge problem from potential difference
- Satisfy the Class3 (2kv) level of international standard on surge immunity (IEC 61000-4-5)

■ Intelligent outage recovery

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



One Cable Solution to supply power and control camera through coaxial cable



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

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(24V)

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-IR36-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-IR36-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-IR36

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			

HDC series



4CH

HDC442F-PD

Protocol	HD-SDI, EX-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			

WEBGATE



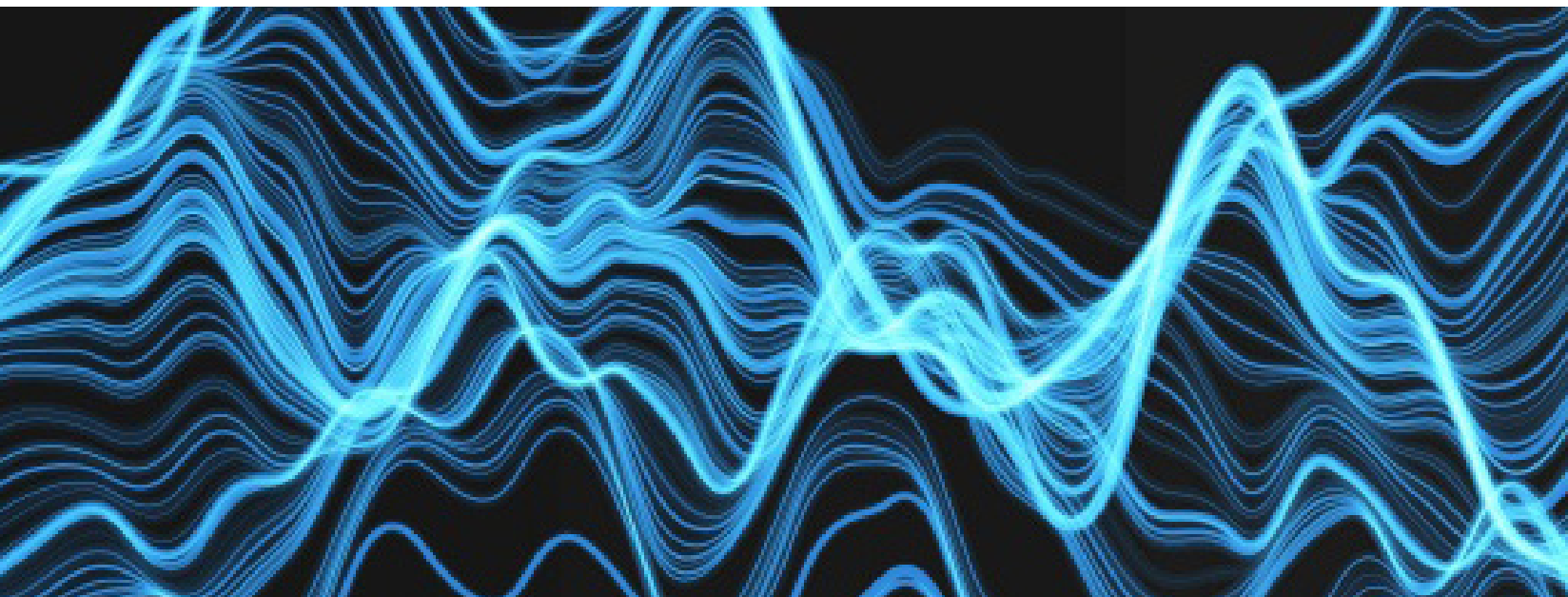
AHD/TVI Solution



■ AHD/TVI Camera

- Transmit recorded 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-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	



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	



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	



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	



KT1080VD-IR36

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, 1 eSATA			
Dimension	300 × 249 × 45mm, 1.22Kg			



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	TX/RX	Transmission	Voltage
TDM02-TX		Converter	2CH	Transmitter	Coaxial	DC 12V
TDM04-TX			4CH	Transmitter		DC 12V
TDM04-RX			4CH	Receiver		DC 12V
OPT-TX1-RS485P		Optical Converter	1CH	Transmitter	Fiber-optic	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

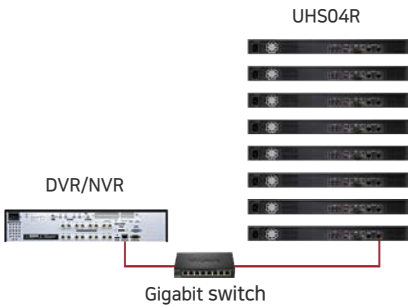
- Touch Pad Mouse
- Built-in 2-line character LCD
- Built-in 3-Axis proportional joystick
- Controls up to 255 cameras
- Easy to be integrated with DVR

External Storage



UHS04R

- 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)



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



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

MEMO.

Protect customers' lives and property, contribute to their safe life

Life Safety Provider





 **YouTube**

www.youtube.com/webgate_cctv

2023 EN_Rev. 2

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