

## Video surveillance (CCTV)

Video Surveillance is the most popular form of Physical Security. It is divided into Analog and Network/IP. It is commonly called CCTV (Closed Circuit TV) System, but because Network/IP type which don't operate as 'Closed Circuit' as well as don't requires a 'TV' monitor; which have gained popularity over analog type, so it can no longer call 'CCTV'.

It has made great advancement during the last 10 years due to advance in technology and development in China market which is very competitive. It now incorporates advanced features like VCA (video content analysis) which incorporate artificial intelligence.

It basically consists of Analog or IP Camera, Digital Video Recorder (DVR) or Network Video Recorder (NVR). Cameras are mostly *dome/turret* and *bullet* type. However, panoramic/fisheye and super-wide angle/180 degree camera are also gaining popularity. Most if not all have IR (infrared red) light to enable it to operate in the dark.

Video Surveillance can be seen in every aspect of society. It is an effective deterrent against theft, shoplifting and pilferage. With the increase in labor cost, Video Surveillance together with other security tools such as intrusion alarm and access control, remote monitoring, can be used to cut down dramatically the number of manpower needed in maintaining the security of premises.

We offer **HIKVISION** and **Dahua** products.

**HIKVISION**
















### Analog System

Model	Pictures	Brief Specification
<b>HD1080P</b> DS-2CE16D0T-IRF HD1080P Bullet DS-2CE56D0T-IRF HD1080P Turret		2MP CMOS Sensor, 24 pcs LEDs, 20m IR, Outdoor IR Bullet/Turret, ICR, 0.01 Lux/F1.2, 12 VDC, Smart IR, DNR, IP66, 2.8mm Lens,
DS-2CE16D0T-VFIR3F Vari Focal Bullet DS-2CE56D0T-VFIR3F Vari Focal Turret		2MP CMOS Sensor, 42 pcs IR LEDs, 40m IR, Outdoor IR Vari-focal Bullet/Turret, ICR, 0.01 Lux/F1.2, 12 VDC, Smart IR, DNR, IP66, 2.8~12mm Lens,
<b>5MP Series</b> DS-2CE16H0T-ITF Bullet DS-2CE56H0T-ITPF Turret		5MP@20fps, 4MP@25fps(P)/30fps(N)(Default), EXIR, Bullet 20m IR/Indoor Turret, ICR, 0.01 Lux/F1.2, 12 VDC, Smart IR, DNR, OSD Menu(Up the Coax), 2.8mm Lens,
<b>5MP</b> DS-2CE16H0T-IT3ZF Vari Focal Bullet DS-2CE56H0T-IT3ZF Turret Vari Focal		5MP CMOS Sensor, 42 pcs IR LEDs, 40m IR, Outdoor IR Vari-focal Bullet/Turret ICR, 0.01 Lux/F1.2, 12 VDC, Smart IR, DNR, IP66, 2.8~12mm Lens,
<b>HD 1080P/5MP Audio</b> DS-2CE16D0T-ITFS 2PM Bullet DS-2CE76D0T-ITPFS 2MP Turret DS-2CE16H0T-ITFS Bullet DS-2CE76H0T-ITPFS Turret		2MP/5MP CMOS Sensor, EXIR, 30/20m IR, Outdoor EX-IR Bullet/Turret, ICR, 0.01 Lux/F1.2, 12 VDC, Smart IR, DNR, Built-in Mic, Audio up Coaxial(Only TVI), OSD Menu(Up the Coax), IP67, 2.8mm Lens.
<b>2MP /5MP ColorVu Series, Turbo HD 5.0</b> DS-2CE10DFT-FC HD1080P Bullet DS-2CE72DFT-FC HD1080P Outdoor Turret DS-2CE10HFT-F 5MP Bullet DS-2CE76H0T-ITPFS 5MP Outdoor Turret <b>Turbo HD X: 1080P PIR Siren Series</b> DS-2CE12D0T-PIRXF HD1080P Bullet DS-2CE72D0T-PIRXF HD1080P Outdoor Turret <b>Turbo HD X 1080P ColorVu PIR Siren Series</b> DS-2CE12DFT-PIRXOF28 HD1080 Bullet DS-2CE72DFT-PIRXOF28 HD1080 Turret outdoor	<b>Color Vu Turbo HDX/ColorVu</b> 	2/5M Smart FSI CMOS Sensor, Outdoor Bullet/Turret, 0.0008Lux/F1.0, 0 Lux with Friendly Lighting, 20m, 3D DNR, 12 VDC, OSD Menu(Up the Coax), 120dB True WDR, IP67, 3.6/6mm Lens, 24H Color.  2/5M Smart FSI CMOS Sensor, Outdoor Bullet, 0.0005Lux/F1.0, 0 Lux with Friendly Lighting, 40m, 3D DNR, 12 VDC, OSD Menu(Up the Coax), 130dB True WDR, IP67, 3.6/6mm Lens, 24H Color, PIR Detection, Blue & Red Light Alarm, Built-in Siren, Alarm Out

### Digital Video Recorder

<b>DS-7200 series 1U Turbo</b> DS-7204/8/16/32 HQHI-K1/K2 1080P/4MP DS-7204/08/16 HUIH-K1/K2 4/5/8MP Hybrid DS-7204/8/16 HTHI-K1/K2 8MP IP Video		8/16 Turbo HD self-adaptive interfaces input, 4/8/16-ch video & 1-ch audio input, 2/4/8-ch IP video input (up to 6-ch IP), H.265/H.265+ compression, 1/2 SATA  16/32 Turbo HD adaptive interface input, 16-ch video & 4-ch audio input, 8-ch IP video input (up to 24-ch IP), H.264/H.264+/H.265+/H.265 video compression, 4 SATA interface, CH01-04: 3MP @ 15fps, CH01-16: 1920x1080P @ 15fps, 4MP Lite @ 15fps/ch, Extended transmission distance over coax cable, 4K UHD output, 1.5U 19" case
<b>DS-7300 series 1.5U Turbo HD</b> DS-7316/32 HQHI-K4 1080/4MP Lite, 8MP/5MP/4MP Hybrid		1632 Turbo HD interfaces input, 16-ch video & 16-ch audio input, 18-ch IP video input (up to 32-ch IP), H.264/H.264+/H.265+/H.265 video compression, 8 SATA interfaces, 8MP: 8fps, 5MP: 12fps, 4MP: 15fps, 3MP: 18fps, 1920x1080P: 25(P)/30(N) fps/ch, 4K UHD output, dual Gigabit Ethernet NICs, dual HDMI output, alarm I/O: 16/8, 2U 19" case
<b>DS-9000 series Enhanced Hybrid Turbo HD</b> DS-9016/32 HUIH-K8 8/5/4MP Realtime 1080 Hybrid		

Model	IP/Network Camera	Brief specification
<b>2.0 series EXIR Mini Bullet Camera</b> DS-2CD2043G0-1 (4MP) DS-2CD2063G0-1 (6MP) DS-2CD2083G0-1 4K/8MP		1/2.5" Progressive Scan CMOS; H.265+/H.265/H.264+/H.264 /MJPEG; Color: 0.028 lux @(F2.0), 0 lux with IR; Maximum Resolution 2688x1520 (4MP); 3072x2048 (6MP); 3480xx2160 (8MP) VCA functions; 3 streams; 3D DNR; BLC/HLC.
<b>2.1 series EXIR Dome Camera</b> DS-2CD2123G0-1 2MP DS-2CD2163G0-1 6MP		1/2.5" Progressive Scan CMOS; H.265+/H.265/H.264+/H.264 /MJPEG; Color: 0.028 lux @(F2.0), 0 lux with IR; 12.5/15fps(3840x2160), 20fps(3072x1728),25fps (2560x1440); VCA functions; 3 streams; 3D DNR; BLC/HLC; ICR; EXIR, up to 30m; DC12V&PoE;
<b>21 series EXIR Dome Camera (Built-in mic)</b> DS-2CD2123G0-IU 2MP DS-2CD2143G0-IU 4MP DS-2CD2163G0-IU 6MP DS-2CD2183G0-IU 4K/8MP		1/2.5" Progressive Scan CMOS; H.265+/H.265/H.264+/H.264 /MJPEG; Color: 0.028 lux @(F2.0), 0 lux with IR; 12.5fps(3840x2160), 20fps(3072x1728),25fps (2560x1440); VCA functions; 3 streams; 3D DNR; BLC/HLC; ICR; EXIR, up to 30m; DC12V&PoE; *-S model: Audio/Alarm IO
<b>25 series EXIR Mini Dome Camera</b> DS-2CD2523G0-IS 2MP DS-2CD2543G0-IS 4MP DS-2CD2563G0-IS 6MP		1/2.9" Progressive Scan CMOS; H.265+/H.265/H.264+/H.264 /MJPEG; Color: 0.028 lux @(F2.0), 0 lux with IR; 20fps(3072x2048), 25fps (2560x1440); VCA functions; 3 streams; 3D DNR; BLC/HLC; ICR; EXIR, up to 10m; DC12V&PoE; *-S model: built-in mic, Audio/Alarm IO
<b>2H series motorized VF EXIR Turret</b> DS-2CD2H23G1-IZS 2M DS-2CD2H43G1-IZS 4MP DS-2CD2H63G1-IZS 6MP DS-2CD2H83G1-IZS 4K/8MP		1/2.5" Progressive Scan CMOS; H.265+/H.265/H.264+/H.264 /MJPEG; Color: 0.018 Lux @(F1.6), 0 lux with IR; 12.5fps(3840x2160), 20fps(3072x1728), 25fps/30fps (2560x1440); VCA functions; 3 streams; 3D DNR; BLC/HLC; ICR; EXIR, up to 30m; DC12V&PoE; Built-in micro SD
<b>IP Camera 4.0 &amp; 3.0</b> <b>AcuSense</b> DS-2CD2T26G1/SL 2MP Bullet Stroke & Audio DS-2CD2326G1-I/SL 2MP Turret Stroke & Audio DS-2CD2T46G1/SL 4MP Bullet Stroke & Audio DS-2CD2346G1-I/SL 4MP Turret Stroke & Audio <b>ColorVu</b> DS-2CD2T27G3E-L 2MP Bullet DS-2CD2327G3E-L 2MP Turret DS-2CD2025FWD-1 2MP Mini Bullet DS-2CD2525FWD-IWS 2MP Mini Dome DS-2CD2045FWD-I 4MP Mini Bullet DS-2CD2545FWD-IWS 4MP Mini Dome DS-2CD2125FWD-IS 2MP Dome DS-2CD2145FWD-IS 4MP Dome DS-2CD2T47G3E-L 4MP Bullet DS-2CD2347G3E-L 4MP Turret DS-2CD2625FWD-IZS 2MP Bullet (VF) DS-2CD2645FWD-IZS 4MP Bullet (VF) DS-2CD2725FWD-IZS 2MP Dome DS-2CD2745FWD-IZS 4MP Dome	     	1/2.7" Progressive Scan CMOS;H.265+/H.265/H.264+/H.264 /MJPEG; Powered by Darkfighter technology,Color: 0.012 lux @(F1.6, AGC ON), 0 lux with IR;25fps(2688x1520); VCA functions; 3 streams; 3D DNR; BLC; ICR; EXIR; DC12V&PoE; Built-in micro SD/SDHC/SDXC slot  1/2.5" Progressive Scan CMOS; H.265+/H.265/H.264+/H.264 /MJPEG; Powered by Darkfighter technology, Color: 0.008 lux @(F1.2, AGC ON), 0.014 lux @(F1.6, AGC ON), 0 lux with IR; 25fps(2688x1520); VCA functions; 3 streams; 3D DNR; BLC/HLC; ICR; EXIR, up to 10m; DC12V&PoE; Built-in micro SD/SDHC/SDXC slot; HIK-Connect cloud service *-S model: built-in mic, Audio/Alarm I/O *-W model: built-in Wi-Fi  1/2.8" Progressive Scan CMOS; H.265+/H.265/H.264+/H.264 /MJPEG; Powered by Darkfighter technology, Color: 0.0068 Lux @(F1.4, AGC ON), 0 lux with IR; 25fps(1920x1080); VCA functions; 3 streams; 3D DNR; BLC/HLC; ICR; EXIR, up to 50m; DC12V&PoE; Built-in micro SD/SDHC/SDXC slot; Built-in Audio/Alarm I/O, *FHWD model:
<b>Paranomic (fisheye &amp; 180 degree) cameras</b> DS-2CD2955FWD-IS 5PM Paranomic (IR) DS-2CD2935FWD-IS 3MP Paranomic (IR)  DS-2CD2345G0P-I 4MP 180 degree (IR)	 	1/2.9" Progressive Scan CMOS; H.265+/H.265/H.264+/H.264 /MJPEG; Color: 0.016 lux@(F2.2, AGC ON), 0 lux with IR; 25fps/(2560x1440); F2.2, field of view: 180°(H)x180°(V); 120dB WDR; 2 streams; 3D DNR; BLC; ICR; EXIR, up to 10m(optional); DC12V&PoE; Built-in micro SD.  1/2.7" Progressive Scan CMOS, H.265, H265+, H264, H264+ 25fps (2688x1520), IR, 1.68 mm ultra wide angle lens, build-in SD, indoor.

## NVR/Network Video Recorder

### DS-7600NI-K1/K2 series

DS-7604BNI-K1/4P(B)  
 DS-7608NI-K2/8P  
 DS-7616NI-K2/16P

### DS-7700NI-K4 series

DS-7716NI-K4  
 DS-7716NI-K4/16P  
 DS-7732NI-K4

### DS-7700NI-I4 series

DS-7716NI-I4/16P(B)  
 DS-7732NI-I4/16P(B)

### Acusense series

DS-7616NXI-I2/4S  
 DS-7616NXI-I2/4S  
 DS-7716NXI-I4/4S  
 DS-7732NXI-I4/4S

### DS-9600NI-I8/I16 series

DS-9632NI-I8  
 DS-9664NI-I8  
 DS-9632NI-I16  
 DS-9664NI-I16



40/80/160Mbps Bit Rate Input Max (4 to 16-ch IP video), 1/2 SATA interfaces, 4/8/16 independent PoE network interfaces, standalone 1U case, alarm I/O.

160/256Mbps Bit Rate Input Max(16 to 32ch IP video), 4 SATA Interfaces, alarm I/O: 16/4, 1.5U case,19"

160/256Mbps Bit Rate Input Max(16 to 32-ch IP video), 4 SATA Interfaces,2 HDMI outputs,1 VGA port, 1 CVBS output,1 eSATA,16 independent PoE network interfaces,

80/256Mbps Bit Rate Input Max(8 to 32-ch IP video), 4 SATA Interfaces,2 HDMI outputs,1 VGA port, 1 CVBS output,1 eSATA, alarm I/O: 16/4, 1.5U case,19"4-ch false alarm reduction,

320Mbps Bit Rate Input Max(up to 32-ch IP video), 8 SATA interfaces, alarm I/O: 16/4, 2U case,19" 4K resolution (up to 12MP), H.265+/H.265/H.264, RAID 0,1,5,10 supported, Easy flip-down panel, Simplified HDD installation and replacement