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IP Surveillance Systems

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FINE

CCTV PROFESSIONAL

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![FINE CCTV PROFESSIONAL]

Products

STORCK Speed Dome Series

High Speed Dome with IR LEDS SP-PTIR737(37X) / SP-PTIR026 (26X) / SP-PTIR018 (18X)	WDR High Speed Dome SP-1036WQ (36X) / SP-1029WQ (26X) / SP-1019WQ (18X)	High Speed Dome SP-1023D (Day& Night)
	Outdoo SP-1019WQ / SP-1029WQ SP-1036WQ **In-Ceiling** SP-1019WI / SP-1029WI SP-1036WI **Surface Mount** SP-1019WS / SP-1029WS SP-1036WS	**Outdoo** SP-1023DQ **In-Ceiling** SP-1023DI **Surface Mount** SP-1023DS

Features
- Unique Design, all in one Integrated Hi-Speed Dome
- Integrated with High Quality IR Leds, maximum distance 200M
- Powerful Mechanism Structure with shocking resistance
- 3-Level Lighting Protection
- IR Distance: 100M
- IR Distance with Laser: 200M
- IP65 Outdoor

Features
- More than 540TV Lines of Horizontal Resolution, with Wide Dynamic Range
- Full equipped with high sensitivity 1/4" Sony Exview CCD
- 8 privacy masking zones
- Day & Night +ICR for true day & night surveillance
- 4 alarm inputs, 2 outputs
- 2 pattern tours each one with up to 80 seconds of record
- 8 tours, 24 presets / tour, speed and time selectable
- 128 presets with editable time
- Baud Rate: 2400 / 4800 / 9600 bps
- Multiple protocols support
- IP66 Rated
- Multiple Language

Features
- More than 480TV Lines of Horizontal Resolution
- 8 privacy masking zones
- Full equipped with high sensitivity 1/4" Sony CCD
- Day & Night +ICR for true day & night surveillance
- 4 alarm inputs,2 outputs
- 2 pattern tours each one with up to 40 seconds of record
- 8 tours , 24 presets/tour, speed and time selectable
- 128 presets with editable time
- Baud Rate: 2400/4800/9600 bps
- Multiple protocols support
- IP66 Rated
- Multiple Language

STORK Speed Dome Accessory

Wall Mount Bracket ST-BF	Pendant Mount Bracket ST-D05	Mount Adapter ST-AD01	Power Case ST-HV
Corner Bracket ST-T01	**PTZ Keyboard (2D Axis)** CK-103	**PTZ keyboard (3D Axis)** CK-104	**H.264 IP Board** NETCD-H

■ Mini Speed Dome Series

■ Mini Speed Dome Accessory

Mini 10X Pan/Tilt Dome SP-PTZ1054	**Mini 10X Outdoor Pan/Tilt Dome** SP-PTZ1054W	**PTZ Keyboard** KB-1048S	**PTZ Keyboard** KB-1054S

Features (SP-PTZ1054)
- Pan & Tilt Speed Up to 360° per second
- Digital Flip, extra tilt angle 5°
- Support total 100X Power Zoom
- Support Day & Night function
- IR Cut Filter Removable
- AGC, ALC, AES, BLC, AWB detection zones
- 360 Degree Rotation, 127 Preset Positions
- 8 Groups for present program
- 8 set of swing action
- Support 4 pattern
- 4 privacy zones

Features (SP-PTZ1054W)
- 1/4" Interline Transfer CCD
- Auto Day/Night; color/B&W function, Dual IR filter switch (IR Cut function)
- 100x (10x Optical zoom,10x Digital Zoom)
- Horizontal RES: 500TVL (Color), 570TVL (B/W)
- Min Illumination: Color 0.7Lux/F1.8(50 IRE), B/W 0.02Lux/F1.8(50 IRE)
- 127 Preset
- 4 Privacy Zone
- Preset Speed: Max 360°/sec
- Rotation Range: Pan 360 degree rotating
- Tilt 180 degree rotating (Auto-Flip)
- Manual Speed: 0.05° ~360°/Sec (proportional to zoom)
- 8 Cruise Group (20 action entities per Group)
- With outside cover, built-in fan and heater
- IP66 Rated outdoor

Features (KB-1048S)
- Easily ID, protocols setup on OSD
- RS-485 communication
- 2D joystick rotation

Features (KB-1054S)
- Easily ID, protocols setup on OSD
- RS-485 communication
- 3D joystick rotation

Wall Mount Bracket VD-B1048	**Ceiling Straight Bracket** VD-B1048C

■ Camera Series

License Plate Recognition CT-DN938H, CT-L938HIO, CT-L960WD, CT-L960WD-ICR	**WDR Camera WITH OSD, 680TVL** CT-WD1680, CT-WD1680-ICR	**DVR CAMERA WITH SD BACK UP** CK-DH1190	**BOX TYPE CAMERA WITH D-WDR + OSD** CK-2600D

Features (License Plate Recognition)
- 1/3" Digital Wide Dynamic Car License Plate Camera (Effio)
- Color: 610TVL, B/W:630TVL
- Color: 0.05Lux@F1.0, B/W:0.03Lux@F1.0, Sense-up: 0.0001Lux@F1.0
- Capable of Capturing Car License Plate Numbers at High Speed
- Day:up to200km/hr (125mile/hr)
- Night:up to150km/hr (90mile/hr), CT-L938HIO with External IR LEDs
- Three Shutter Modes (Auto, Manual, Scheduled Shutter)
- Multi-Language OSD Control / RS485 Remote Control
- Powerful 128X Digital Wide Dynamic Range (52dB)
- 2D/3D Noise Reduction & Sense Up (512x) Functions
- Face Detection of up to 4 faces
- E-zoom Function (1~256x)
- Advanced Motion Detection Function
- Polygonal Mosaic Privacy Mask
- Freeze / Timer Clock

Features (WDR Camera)
- 1/3" Hyper Wide Dynamic Infrared Camera (Effio WDR)
- Color: 680TVL, B/W:700TVL
- Color: 0.03 Lux @F1.0 , B/W: 0.01 Lux@F1.0, Sense, up:0.0001Lux@F1.0
- Multi-Language OSD Control / RS485 Control
- RS485 Interface OSD Control by Pelco –D, Pelco –P
- Powerful 510X WDR (54dB)
- Ideal for Backlight Environments
- 2D/3D Noise Reduction & Sense Up (512x) Function
- Shutter Mode (Schedule/ Day & Night)
- Face Detection of up to 4 faces
- E-Zoom Function (1~256x)
- Advanced Motion Detection Function
- Polygonal Mosaic Privacy Mask
- Freeze / Timer Clock

Features (DVR Camera)
- Super enhance video quality with1/3" SONY CCD
- New design camera concept
- Ready to Use Digital Video Recorder
- SD Back up
- Save money for small retailers, kiosk, shops, home security
- Audio support
- Full function camera
- MPEG 4 compression
- With remote controller
- With privacy mask
- Day and Night with ICR for true surveillance

Other Accessory

Remote Controller   Real View

Features (Box Type Camera)
- 1/3" SONY CCD
- 600 TV Lines
- DNR (Digital Noise Reduction)
- WDR (Wide Dynamic Range)
- Motion detection (4 zones)
- Auto White balance
- Built in mechanical IR Cut Filter for True Day Night Function
- OSD Control for camera setting
- Optional use with controller board for easy set up from remote distance

Products

Vandal Dome Series

Hyper WD IR Vandal Dome CDV-3D610WD-ICR, CDV-3D700WD-ICR	3 " Vandal Varifocal Dome VD-2V220 / VD-2V260 / VD-2V280	3 " Vandal Varifocal IR Dome VD-2VIR220 / VD-2VIR260 / VD-2VIR280	3 " Vandal IR Dome with fixed lens VD-IR220 / VD-IR260 / VD-IR280	Anti-Grip Mini Dome ABS with Fixed lens DC-420 / DC-480 / DC-540

Features (Hyper WD IR Vandal Dome)
- 1/3" Hyper Wide Dynamic Infrared Dome camera (Effio WDR)
- Color: 610 TVL, B/W: 630TVL, 0 Lux (IR LEDS on at 2Lux) for CDV-3D610WD-ICR
- Color: 680 TVL, B/W: 700TVL, 0 Lux (IR LEDS on at 2Lux) for CDV-3D700WD-ICR
- Multi Language OSD Control
- Powerful 256X WDR (53dB) for CDV-3D610WD-ICR
- Powerful 510X WDR (53dB) for CDV-3D700WD-ICR
- Ideal for backlight Environments
- 2D/3D Noise Reduction & Sense Up(512X) Functions
- Face Detection of up to 4 faces
- E-zoom Function (1~256X)
- Advanced Motion Detection
- Water Resistance: IP 66, breaking Strength : 656.1 Kgs
- Built in Varifocal lens & Unique 3-Axis Gimble Mechanism

Other Accessory

Flush Mount

Wall mount

Features (3 " Vandal Varifocal Dome)
- Ultra Compact and Light Weight
- Integrated of Varifocal DC Iris 3.5 ~ 9.5 mm Lens
- 3 Dimensional Design
- IP66 with Waterproof Housing
- Stable Picture Quality
- Vandal Proof Design
- Dual Power AC24V / DC12V
- Aluminum Housing

Other Accessory

Junction Box

Features (3 " Vandal Varifocal IR Dome)
- IP66 Rated Housing
- 3 Dimensional Design
- Compact & Vandal Resistant Construction
- DSP controls for BLC, white balance and gain control
- Day & Night switchable with ICR mechanism
- Digital Noise Reduction
- Integrated of Varifocal DC Iris 3.5 ~ 9.5 mm Lens
- Fitted with 18 pieces LED with micro
- IR sensor for a better illumination at night
- Heater Built in
- Aluminum Housing

Other Accessory

Junction Box

Features (3 " Vandal IR Dome with fixed lens)
- Ultra Compact and Light Weight
- 3 Dimensional Design
- Vandal proof design
- Integrated Board Lens 4.3mm (standard), 3.6mm, 6mm, 8mm (option)
- Stable picture quality
- Digital Noise Reduction
- IP66 with Waterproof Housing
- With IR Leds
- IR Cut Filter (Option)

Other Accessory

Junction Box

Features (Anti-Grip Mini Dome ABS with Fixed lens)
- Ultra Compact and Light Weight
- Anti-Grip with Tri-Axis Gimble design
- Integrated Fixed Lens 3.6mm (standard), 4.3mm, 6mm Aspherical Lens
- With 1/3" CCDs: Sharp and Panasonic
- Stable Picture Quality
- ABS Housing
- Audio (option)
- Wide Angle 2.5mm Lens (option)

Dome Series

Anti-Grip Dome Camera DC-420ᴬ-W25 / DC-480ᴬ-W25 / DC-525A-W25	Anti-Grip Mini Dome ABS with Varifocal Lens DC-420V4 / DC-480V4 / DC-540V4	IR Dome Camera CF-P115SH	IR Dome Camera CF-DM836 / CF-DM828

Features (Anti-Grip Dome Camera)
- Ultra Compact and Light Weight
- Integrated 2.5mm Wide Angle Lens
- Anti-Grip with Tri-Axis Gimble design
- With 1/3" CCDs: Sony or Sharp
- Stable Picture Quality
- ABS Housing

Features (Anti-Grip Mini Dome ABS with Varifocal Lens)
- Ultra Compact and Light Weight
- Integrated of Varifocal DC Iris 3.5 ~ 9.5 mm Lens
- Anti-Grip with Tri-Axis Gimble design
- With 1/3" CCDs: SONY and Sharp
- Stable Picture Quality
- ABS Housing

Features (IR Dome Camera CF-P115SH)
- Equipped with 1/3" High Sensitivity SONY CCD
- Integrated Fixed 4mm Lens (standard) Lens
- Using oval beam LEDs delivering clean vivid picture at night time
- 20 Pieces IR LEDs
- Automatic Gain Control
- Low Power Consumption

Features (IR Dome Camera CF-DM836 / CF-DM828)
- 1/3" Sony Super HAD CCD
- 550 TVL Horizontal Resolution
- 6 Pcs Ø5 IR Leds
- IR Distance 6-8M
- Under 5 Lux Auto Switched IR LEDs by CDS
- Electronic Day / Night
- Aluminum Housing

Color IR Dome Camera CF-P620IR / CF-P660IR	3 Axis IR Dome DA-282C / DA-286SP / DA-288C	Dome Camera DC-CM550

Features (Color IR Dome Camera)
- Equipped with 1/3" High Sensitivity SONY CCD
- Horizontal resolution of 420TVL /540TVL
- Using oval beam LEDs delivering clean vivid picture at night time
- 24 Pieces IR LEDs
- Electronic shutter speed up to 1/100,000 sec
- Automatic Gain Control
- Low Power Consumption
- ABS housing

Features (3 Axis IR Dome)
- Well Equipped Advanced 1/3" CCD
- Good Sensitivity at Low Light
- Horizontal resolution of 420TVL / 480TVL / 540TVL
- Aspherical lens 3.6mm, 4.3mm, 6mm, 8mm for Better Illumination at dark
- 3-Axis Gimble Design For Flexible Adjustment Angle
- 18 IR LEDS with 15-20M IR Range
- Built in Mechanical IR Cut Filter For True Color at Daylight
- Aluminum Housing

Features (Dome Camera DC-CM550)
- Built in standard 3.6mm (standard)
- ABS housing
- With crisp image
- 550 TV Lines
- With superb quality

IR LED Auto Detector Light Camera

IR LED Auto Detector Light Camera FL-101IR / FL-101IRH	Halogen Tube Auto Detector Light Camera FL-150 / FL-500 / FL-150H/ FL-500H	White Light LED Auto Detector Camera FL-201WL/ FL-201WLH
Features ▪ 1/3" Sony Super HAD Color CCD Sensor ▪ Auto Electronic Shutter ▪ Horizontal resolution 420 TV Lines or 540 TV Lines ▪ Excellent Picture Performance with Hi-resolution (540TVL) ▪ Apply to School, Supermarket, Restaurant, Government Building, Bank, Hotel, Parking Lots, Lanes ▪ 120PCs 5ØIR LED ▪ IP55 Weather-proof ▪ Working Voltage:AC110V, AC220V ▪ Video Output Dual Port (Optional): BNC & Balun (Balun: extend To 600 meters)	**Features** ▪ 1/3" Sony Super HAD Color CCD Sensor ▪ Auto Electronic Shutter ▪ Horizontal resolution 420 TV Lines or 540 TV Lines ▪ Excellent Picture Performance with Hi-resolution (540TVL) ▪ Apply to School, Supermarket, Restaurant, Government Building, Bank, Hotel, Parking Lots, Lanes ▪ IP55 Weather-proof ▪ Compatible for AC110V or AC220V ▪ Halogen Tube: 150W / 500W ▪ Video Output Dual Port (Optional): BNC & Balun	**Features** ▪ 1/3" Sony Super HAD Color CCD Sensor ▪ Auto Electronic Shutter ▪ Horizontal resolution 420 TV Lines or 540 TV Lines ▪ Apply to School, Supermarket, Restaurant, Government Building, Bank, Hotel, Parking Lots, Lanes ▪ 150PCs 5φ White-light LED ▪ IP55 Weather-proof ▪ Working Voltage: DC12V ▪ Video Output Dual Port (Optional): BNC & Balun

IR Bullet Series

Long Range Outdoor Camera YV-XP8860/YV-XP8862/YV-XP8864/ YV-XP9100 /YV-XP9650	IR NIGHT VISION IR BULLET WITH OSD AV-B600V28, AV-B600V65	IR Color Bullet Camera ICX-IR108SH / ICR-IR120SH	Sensifier Bullet Camera ICN-480-8SL / ICN-560-8SL	IR Color Camera ICX-3450V4 ICX-3550V4
Features ▪ Horizontal resolutions 600 TVL lines camera ▪ Maximum IR effective distance can up to 120 Meters, with Hi-Power LEDs ▪ True Day Night Surveillance with ICR filter mechanism ▪ Built In aspherical varifocal DC Iris lens: 4~9mm, 2.8~11mm, 6~50mm, 9~22mm, 18~50mm ▪ Easy to be installed ▪ Tri-Axis Bracket for Wall, Ceiling and Roof ▪ Concealed Cabling Management ▪ Low Power Consumption ▪ Powered with AC24V/DC12V ▪ IP66 Rated for Outdoor Use ▪ Built in heater ▪ Standard Color: Silver	**Features** ▪ CCD options : 1/3" SONY CCD 600TVL ▪ Lens options : 2.8-11mm, 6-50mm, V. F. Lens in the same housing ▪ IR control by light sensor ▪ Outdoor projecting distance: 30 meters (2.8-11mm LENS) / 70 meters (6-50mm Lens) with High Power IR LEDS ▪ Build in ICR Filter ▪ DNR, D-WDR ….. ▪ OSD function control by the RS-485 pocket controller ▪ Build in audio with equalizer function ▪ External control rings for easy focus, distance adjustment ▪ Vandal bracket for wall / ceiling mount ▪ IP66 Water Proof rated ▪ Power supply: Dual power design ▪ Automatic heater & indictor for extreme cold environment	**Features** ▪ IR distance: 30 meters ▪ Horizontal resolution 420 TV Lines, 550 TV Lines ▪ Built in fixed lens 4 mm, 6 mm Lens ▪ Attractive white housing/stainless steel joint for long durability ▪ 40 pcs IR LED	**Features** ▪ Vivid Color Picture remains under low light ▪ No IR required at night. ▪ Horizontal resolution 480 TVL & 560 TVL ▪ No overheat problem. Save energy ▪ Horizontal Resolution 480TVL, 560 TV Lines. ▪ IP66 weatherproof housing for outdoor use ▪ Available with 4.3m, 6mm, 8mm lens	**Features** ▪ Horizontal resolution 450 TV Lines, 550 TV Lines ▪ Auto Gain Control ▪ IR distance: 60 Meters ▪ LED: 77 unit 840nM infrared LED ▪ Power on: CDS auto control

H.264 Stand Alone DVR System

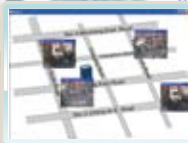| SR-H2004-N / SR-H2008-N / SR-H2016-N	SR-LD304(4 CH) / SR-LD308(8 CH)	SR-LD304WS / SR-LD308WS	SR-HD9916	TFDR-1904TH / TFDR-1908TH 19" Touch COMBO DVR

Features
▪ 4 / 8 / 16 channels Full D1 720x480 Display
▪ HDMI Output,DVD (option)
▪ Full D1 recording and playback
▪ H.264 Hardware Compression
▪ Digital zoom× 8
▪ On Board VGA
▪ With free bundled CMS
▪ 3GPP, PDA, Smart phone Blackberry, HTC, iPhone support
▪ 2 USB port
▪ RS485 support
▪ Audio Input & output
	Features
	▪ 4 / 8 channels Full D1 720x480 Display
	▪ Full D1 recording and playbacK
	▪ H.264 Hardware Compression
	▪ Digital zoom× 8
	▪ On Board VGA
	▪ With free bundled CMS
	▪ 3GPP, PDA , Smart phone Blackberry, HTC, iPhone support
	▪ 2 USB port
	▪ RS485 support
	▪ 1 Audio Input & output
	▪ VGA & BNC output
		Features
		▪ 4/8 channels Full D1 720x480 Display
		▪ Full D1 recording and playback
		▪ H.264 Hardware Compression
		▪ Digital zoom× 8
		▪ On Board VGA
		▪ With free bundled CMS
		▪ 3GPP, PDA , Smart phone Blackberry, HTC, iPhone support
		▪ 2 USB port
		▪ RS485 support
		▪ 1 Audio Input & output
			Features
			▪ One HD (1280x720P) analogue camera and Eight D1 (720x480) analogue cameras supported
			▪ High Definition Picture Quality
			  · HD Multiplexer
			  · Auto Switching for 4:3, 16:9 Screen Aspect Ratio
			▪ True D1 Real-Time Triple Streaming for Live display, Playback and Recording
			▪ Intelligent Video Surveillance (IVS) features Supported with CMS
			▪ Tampering (Screen Changes for Lost Signal, Redirection, Lost Focus)
			  · Region of Interest (Tripwire, People Counting, Missing and Unattended object)
			▪ CMS Supported (Support Matrix Display and E-Map)
			▪ MAC System Support
			▪ Extra Excellent Features
			  · Touch-Panel LCD Monitor Supported
			  · Video looping and Auto input Supported
			▪ 3G Mobile System Supported
				Features
				▪ Touch Screen display integrated with LCD
				▪ NTSC/PAL auto detect
				▪ Supports up to 1280 x 1024SXGA high resolution
				▪ High contrast ratio up to 1000:1
				▪ 4CH or 8CH DVR with H.264 Video compression
				▪ Provide Graphical User Interface (GUI) and mouse/touch screen for easier and user friendly configuration and operation.
				▪ Supports smart search function for faster and easier playback retrieval
				▪ Picture-in-picture display & channel screen popup on monitor/sensor
				▪ Role-based multiple network users access to exclusive channel view & Operation

Mobile View Support

Products

CMS SOFFWARE FOR SR SERIES DVR

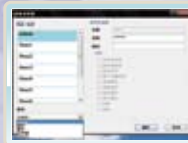- DVR View (Max. 16 Channels)
- Remote Event play
- E-Map
- Remote Playback
- Event
- User Management & Multiple Language
- Group View (Max. 64 Channels)

DVR GUI

System Set Up

Network Set Up

MENU

PTZ & RS-485 Set Up

Sensor Set Up

Utility Set Up

EVENT Set Up

Record Set Up

Motion Set Up

Schedule Setup

Access Control System

FR-310	FR-310 K	FC-4852C	FC-4120C
Proximity Standard Wiegand Reader	Proximity Standard Wiegand Reader with keypad	RS-485 to RS-232 Converter	TCP/IP Converter
Features A proximity sub-reader complying with the 26 bits Wieg and format of the international standards. A bicolor (green/red) LED and a beeper offer feedback to users	**Features** A proximity sub-reader complying with the 26 bits Wieg and format of the international standards. A bicolor (green/red) LED and a beeper offer feedback to users	**Features** ▪ This communication converter is special for oneline access control devices and computer time recorder to form a network configuration. ▪ The communication baud rate such as19200 ,9600,4800,2400,1200,600,300,150 BPS can be selected through the DIP Switch. Please reset the device (power off and on again) after new rate selected. ▪ The maximums connecting access control reader up to 64 units for one of ▪ FC-4852C, which divided to two RS485 data bus.	**Features** ▪ Make your serial devices Internet ready ▪ Versatile socket operation modes, including TCP & REAL COM ▪ Easy-to-use Windows Utility for mass installation ▪ Cigarette pack size ▪ 50bps~ 230.4K bps Ethernet ▪ 2 wire RS-485 with patented Automatic Data Direction

FR-0312

Relay I/O board , 2DI/3DO (2DI-Door sensor, push button) (3DO-Strike,alarm,-option one)

Cards

FSD-1000	FSD-1000-K	FSD-2000-K	FSD-1000RD
Thin Card, 125KHZ, EM Format	EM Format With Key Chain	Mifare Format With Key Chain	Thick Card, 125KHZ, EM Format (Read Only) (Continuative Number)

FSD-2000	FT-160	FEB-250	FSD-3000
Mifare Iso Card	Series Electronic Strike	Electronic Bolt Lock	HID Isoprox II ISO Card

FML-300	FML-600	FSD-3300
Magnetic Lock Wiring Instruction Voltage : 12/24VDC Size : 130x8x32mm Weight 0.9 kgs	Magnetic Lock Wiring Instruction Voltage : 12/24VDC Size : 232x48x25mm Weight 1.5 kgs	HID Clamshell Card (26BIT)

Access Control System

FA-1038	FA-2030	FA-2038	FA-9099
All-in-One Stand-Alone Access Control System (Control Relay Built-in)	Stand Alone Access Control System	Stand Alone Access Control System	Stand Alone Network Access Control System

Features	**Features**	**Features**	**Features**
▪ Proximity Stand-Alone control System with built-in Relay NC/NO ▪ Proximity Stand-Alone control System with built-in Relay NC/NO ▪ Proximity type reader, read range up to 10 cm ▪ Memory capacity store upto 1,000 user cards ▪ Antiduress function available ▪ Access mode selectable reading proximity card card data + personal password or main password ▪ Key in card data ▪ Force alarm function ▪ Arm or disarm connected security system ▪ Alarm activated when wrong password being input more then five times ▪ FA-1038E (EM) , FA-1038-H (HID) , FA-1038-M (MIFARE)	▪ Proximity type reader,read range upto 7cm ▪ Memory capacity store up to 5000 user records ▪ Large LCD display ▪ Access mode selectable ▪ Anti - duress function available ▪ Arm or disarm connected security system ▪ Patrol function available ▪ Security function available ▪ User card can be registered / deleted in batch mode ▪ Last ten history records available ▪ Audible key tone for easy operate ▪ Strike , alarm and duress relay drive time selectable (1 - 255 seconds) ▪ Door left open time selectable (1-255 seconds) ▪ Two - piece enclosure design the reader is patted for weather and hazard proofing ▪ A separate relay module design, high security provided ▪ FA-2030E (EM) , FA-2030-H (HID) , FA-2030-M (MIFARE)	▪ Proximity type reader, read range upto 7cm ▪ Reader is potted for water and dust proofing, makes it a popular choice for both indoor and outdoor installation Two – piece enclosure design the reader is patted for weather and hazard proofing ▪ Memory capacity store upto 1,000 user cards ▪ Master code function ▪ Main code function ▪ Security password function ▪ Force alarm function ▪ Key beeper sound selectable ▪ Drive time of electric lock and alarm relays programmable (1~99 seconds) ▪ Drive relay board separated from controller, module design, higher safety index ▪ Anti-duress function available ▪ Arm or disarm connected security system ▪ FA-2038E (EM) , FA-2038-H (HID) , FA-2038-M (MIFARE)	▪ Proximity type reader,read range upto 10cm ▪ 9000 card holders/ 9500 transactions ▪ Network configuration up to 99 devices or 320 devices ▪ Antipass back ▪ Access mode available ▪ Door left open alarm function ▪ Force entry alarm ▪ Temporary suspend all function ▪ Password time zone restraint ▪ Ten access time zone restrain ▪ Twelve months holiday restrant ▪ Communication interface: RS232 - RS485 and TCP/IP available ▪ Can be used as stand alone device without personal computer connected ▪ Eight groups personal password time zone programmable pre-define time ▪ Device model and version number can be displayed ▪ Up to 2 months battery back-up capacity for data storage during power failure ▪ With power saver function , the back light of LED turn off once no there is operation within 3 minutes ▪ Communication baud rate can be programmed via keypad ▪ Four error message available (all records are stored in controlled software) 1.Invalid card 2. Restricted Time 3.Time zone Unmatched 4.Code Unmatched ▪ FA-9099-E (EM), FA-9099-H (HID), FA-9099-M (MIFARE)

FEC-6016/6032 Lift Control System

Features
▪ Elevator Controller (16/32 floors)
▪ Relay Contact NO/NC type selectable
▪ Relay dry contact by pass mode auto and manual operation selectable
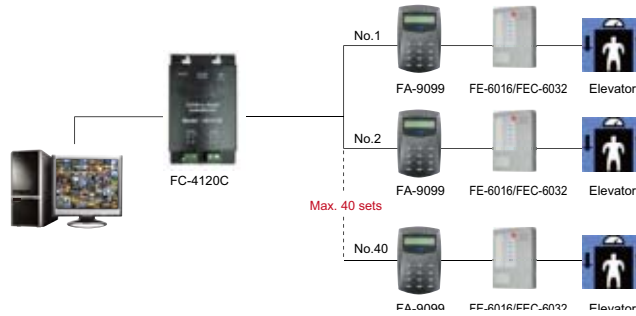▪ Suitable for FA-9099 (EE, HE, ME)

No.1   FA-9099   FE-6016/FEC-6032   Elevator
No.2   FA-9099   FE-6016/FEC-6032   Elevator
Max. 40 sets
No.40   FA-9099   FE-6016/FEC-6032   Elevator
FC-4120C

Total Solution-CCTV, IP, Access Control+Capture Cards

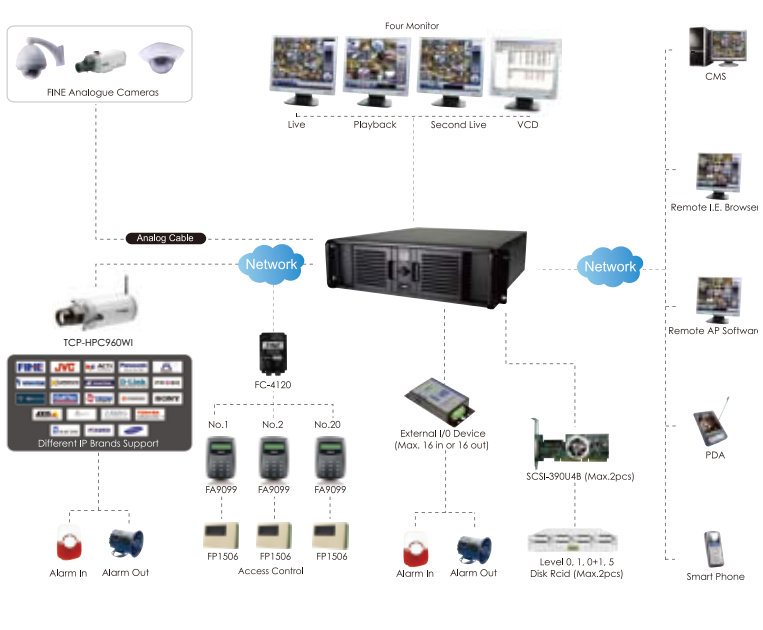CP-3004M / CP-3004H   CP-3008M / CP-3008H   CP-3016M / CP-3016H

Features
▪ CP-3004M, CP-3008M, CP-3016M
▪ Support 32CH CIF real-time recording
▪ H.264 H/W Compression
▪ Support up to 32 channels
▪ Support megapixel IP camera
▪ Triple monitor display
▪ Support Joystick
▪ E-map
▪ Unique GUI recording schedule
▪ Digital PTZ and multi-view
▪ Smart detection of 6 events with 10 instant responses
▪ Counting application
▪ Intelligent playback system with 5 video analytics searches
▪ POS and I/O device integration
▪ Remote live viewer, remote playback, remote backup, remote I/O control and remote desktop configuration
▪ Supported by Central Management System
▪ Supports 30 brands of IP cameras and more than 520 models
▪ Hybrid function (option)

Features
▪ CP-3004H, CP-3008H, CP-3016H
▪ Support 32CH D1 real-time recording
▪ H.264 H/W Compression
▪ Support up to 32 channels
▪ Support megapixel IP camera
▪ Triple monitor display
▪ Support Joystick
▪ E-map
▪ Unique GUI recording schedule
▪ Digital PTZ and multi-view
▪ Smart detection of 6 events with 10 instant responses
▪ Counting application
▪ Intelligent playback system with 5 video analytics searches
▪ POS and I/O device integration
▪ Remote live viewer, remote playback, remote backup, remote I/O control and remote desktop configuration
▪ Supported by Central Management System
▪ Supports 30 brands of IP cameras and more than 520 models
▪ Hybrid function (option)

Four Monitor
CMS
FINE Analogue Cameras
Live   Playback   Second Live   VCD
Remote I.E. Browser
Analog Cable
Network
Network
Remote AP Software
TCP-HPC960WI
Different IP Brands Support
FC-4120
No.1   No.2   No.20
External I/O Device (Max. 16 in or 16 out)
PDA
FA9099   FA9099   FA9099
SCSI-390U4B (Max.2pcs)
Alarm In   Alarm Out
FP1506   FP1506   FP1506
Access Control
Alarm In   Alarm Out
Level 0, 1, 0+1, 5
Disk Rcid (Max.2pcs)
Smart Phone

IP Cameras

ONVIF *Compliance*

IR IP High Speed Dome SP-PTIR737	**Eagle Series (Indoor, Outdoor Type)** IP Speed Dome WDR, D/N, 540 TVL H.264 EP-Q2036HW-IP, EP-Q2026HW-IP, EP-Q2018HW-IP	**H.264 Megapixel IP Camera** TCP-MH802WI, TCP-MH802DN/WI TCP-MH802, TCP-MH802DN	**H.264 Megapixel IP Vandal Dome** CDV-3VM501

Features
- H.264/JPEG / MPEG4 Compression
- Wide Dynamic Range
- Unique Design, all in one Integrated Hi-Speed Dome
- Integrated with High Quality IR Leds, 100M normal distance, maximum distance 200M with Laser
- Powerful Mechanism Structure with shocking resistance
- 3 Level Lighting Protection
- IP 65 rated housing

Features
- H.264/JPEG/MPEG4 Compression
- Wide Dynamic Range
- Support 3GPP/PDA Service
- Day Night + ICR, more than 540 TV Lines of Horizontal Resolution
- Quick and easy to install in just a few seconds
- Auto running: allows the dome to return any preset, sequence, patterm, panning automatically after a period of time without getting signal
- 8 programmable zones
- 220 presets with editable time
- 24 privacy zones for EP-Q2036HW-IP, 8 privacy masking EP-Q2026HW-IP for EP-Q2018HW-IP
- Positioning accuracy up to 0.1 degree
- 4 auto scans with 355 degree scan range

Features
- 720P@30 FPS
- 2.0 Megapixel
- H.264/ MJPEG/MPEG4 compression
- Video motion detection
- Support 2 Way Audio
- Support 3Gpp / PDA service
- Easy set up with UPnP support
- Expansion SD back up for data storage
- SDK for software integration provided
- Free Bundled Basic 36 Channel Recording Software Provided
- Support Maxi-Watch Professional IP software (option)
- Wireless (option)
  TCP-MH802WI
  TCP-MH802DN/WI

Features
- 2.0 Megapixel
- 1/3" Micron Progressive Scan CMOS Megapixel
- Integrated 2.7~9 mm DC Iris lens
- True day & night with Mechanism IR Cut Filter
- IP 66 rated weatherproof housing
- Up to 1600x1200 resolution at 15 fps
- Video motion detection
- Dual streaming H.264 / MJPEG/ MPEG4 compression format
- Support 3GPP / PDA Service
- With SD Back up
- Free bundled 36 channel recording software
- SDK For Software Integration

H.264 Megapixel IR IP Camera TCP-VM501	**Megapixel Network Camera** GP-100CB, WGP-100-CB GE-100CB, WGE-100-CB	**H.264 IP Camera** TCP-HPC960, TCP- HPC960WI, TCP- HPDN960, TCP- HPDN960WI	**H.264 IP Wide Dynamic Camera** TCP-IPWD700DN/WI

Features
- 2.0 Megapixel 1600 x 1200
- 1/3" Progressive Scan CMOS
- Integrated 3.6~16 mm lens
- True day & night with Mechanism IR Cut Filter
- IP 66 rated weatherproof housing
- Up to 1600x1200 resolution at 15 fps
- Video motion detection
- DC12V or Power over Ethernet (IEEE802.3af)
- Triple streaming H.264 / JPEG / MPEG4 compression format
- Support 2 Way Audio
- Support cell phone / PDA / 3GPP
- Free bundled 36 channel recording software
- SDK For Software Integration
- Support Maxi-Watch Professional IP Software (option)

Features
- Functional and smart design
- Multiple H.264 streams
- Built in microphone & speaker
- H.264 , MPEG4, and MJPEG triple code compression
- Resolution 1280 x 800
- Easy & flexible installation
- PIR sensor and illumination LED
- Support Maxi-watch Professional IP Software (option)
- Free bundled 64 channel recording software

Features
- High definition 540TV Lines with 1/3" Hi-Sensitivity technology
- Supreme day & night function with automatic ICR filter TCP-HPDN960U
- TCP-HPDN960WIU
- Auto IRIS control, auto white balance, back light compensation available
- Triple streaming H.264 / MPEG4 / JPEG compression
- Remote Surveillance through Internet or Intranet
- Event triggered picture can be sent via FTP or E-mail
- PPPoE or DDNS support
- Video motion detection
- Support 3GPP / PDA service
- Easy set up with UPnP support
- Two way audio integration
- Support Maxi-Watch Professional IP software (option).
- Free Bundle Basic 36 Channel Recording Software Provided
- SDK for software integration provided

Features
- D-WDR system
- Next Generation 3D DNR
- Sens-Up function
- Support video out
- Power over Ethernet available
- H.264/ JPEG / MPEG4 compression
- SD card backup
- 2-way audio
- Support Cell Phone/PDA/3GPP Triple Streaming
- Wireless available
- SDK for Software Integration
- Free Bundled Basic 36 channel AP Client Software Provided
- Wireless (option) TCP-IPWD700 DN/WI

H.264 IP Vandal Dome Indoor/Outdoor CAMERA CDV-3VWD960	**H.264 WDR IP Camera** TCP-IRWH540P/N	**H.264 IP Pan/Tilt Network Camera** MD-D1612	**H.264 One Channel Decoder / Encoder** WB-H811, WB-H811W

Features
- D-WDR · Support 3D DNR · Sense up function
- Produce high quality video images with 560 TVL
- Unique design with weatherproof IP66 rated housing
- Compact vandal resistant construction
- Triple streaming H.264 / JPEG/ MPEG4 compression
- Suitable for indoor & outdoor use with roof dome cover
- Support 3GPP / PDA service
- Easy set up with UPnP support
- DSP controls for BLC, white balance and gain control
- Burglarproof screw
- Support Maxi-Watch Professional IP software (option).
- Free Bundle Basic 36 Channel Recording Software Provided
- SDK for software integration provided

Features
- D-WDR · Support 3D DNR · IP66
- Sens-Up Function
- External Vari-focal lens adjustment
- True Day/Night Function
- Mechanism IR Cut Filter available
- IR Distance: 20 Meter
- H.264/MPEG4/MPEG4 compression
- Support cell phone/PDA/3GPP · Triple streaming
- SDK for software integration
- Free Bundle 36 Channel Recording Software
- 8 Step shutter Adjustment
- Free bundled basic 36 Channel recording software provided
- Support Maxi-Watch Professional IP software (option).

Features
- Remote Pan 270° Tilt 120°
- H.264/ MJPEG/MPEG4 compression
- Day/Night Function- IR C ut Filter(ICR)
- Power over Ethernet available
- Support SD card
- 2-Way Audio
- Triple Streaming
- Support Cell Phone/PDA/3GPP
- SDK for Software Integration
- Free bundled 36 channel recording software
- Support Maxi-Watch Professional IP software (option)

Features
- H.264 Compression
- 1 Channel Input
- With SD Back Up for Data Storage
- Support 3gpp Service
- 3 Streaming H.264/JPEG/MPEG4 (3Gpp) Compression
- Built in Power Over Ethernet
- Wired/Wireless available
- Free bundled 36 channel recording software
- SDK For Software Integration

4/8/16 Channel NAS Mini Linux NVR

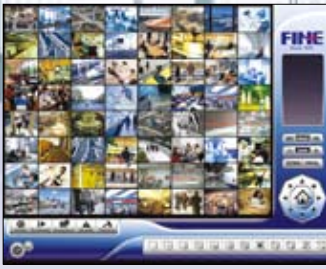## NAS-E1040, NAS-E1080 / NAS-E1016

Features
- Linux Embedded – Free from PC crash and virus attack
- Server-Client Architecture
- Web-based management (Recommend on IE7 or above)
- Easy installation
- Manage 2 / 4 / 8 / 16 IP cameras
- Online GUI recording schedule
- RAID 0,1,5,5+spare and 10, prevention of data loss
- Support 25 brands of IP cameras and 735 models
- Support ImmerVision lens
- Support Megapixel camera and H.264 compression format
- Support D1, real-time and audio recording
- Up to 128 channels live display on multiple monitors
- Multiple camera streams to display in LiveView
- Support E-map with device indicator
- Playback system with 5 intelligent search
- Support Point of Sale (POS)
- 2/4 SATA HDD bays Embedded
- External storage – Up to 16TB total recording space
- Recording without PC turning on
- Remote I/O solution and camera I/O integration
- Supported by FINE CMS
- Supported by iPhone Security Eye apps

Model	NAS-E1040	NAS-E1080	NAS-E1016
Recording Cameras	1~4	1~8	1~16
Playback channels	4	8	16
Number of Drives	2xSATA II	4xSATA II	4xSATA II
Max Storage of Compatible HDD	2TB	2TB	2TB
RAID Level	RAID 0,1	RAID 0, 1, 5, 10	RAID 0, 1, 5, 10
I/O Interface	1xUSB 2.0 (for UPS)	2xUSB 2.0 (for UPS); 1xeSATA (for external storage2: DAS)	2xUSB 2.0 (for UPS); 1xeSATA (for external storage3: DAS)
LAN Transmission Speed	10/100/1000 Mbps (RJ45)		
Voltage	100-240V	100-230V	100-230V
Power Consumption	39W	72W	72W
Device Dimension	92.0 x 145.2 x 213.2 mm	188.2 x 152.5 x 229.6 mm	188.2 x 152.5 x 229.6 mm
Device Weight (without drive)	1.0 kg (2.2lbs)	2.5 kg (5.5lbs)	2.5 kg (5.5lbs)
Temperature	Operating: 5°C to 35°C (±5°C)		
Humidity	Operating: 10%-85%		
Supported IP Camera Brand(s): 25 brands	FINE, Axis , Panasonic, SONY, Vivotek, Acti, Arecont Vision, SANYO, Basler, Brickcom, CISCO, CNB, DLINK, ENEO, Hikvision, IQinVision, Levelone, Linksys, Lumenera, Mobotix, Samsung, SANTEC, StarDot, Toshiba, Videosec, ZAVIO		
Compression Format	MPEG4, M-JPEG, H.264, MxPEG (depends on IP camera)		
Recording Performance	Around 60fps at 1.3M Total bitrate: 20Mbps	Around 160fps at 1.3M Total bitate: 65 / 55Mbps	Around 160fps at 1.3M Total bitate: 65 / 55Mbps
Recording Type	Continuous record, Record by schedule, Event trigger record, Digital input trigger record		
Remote Live View Control	Liveview, PTZ control, Patrol/Focus, Preset set/go, Auto Scan, Snapshot		
Audio & Video Recording	Audio and video recording in synchronization		
POS	Liveview, record and search for every transaction		
Auto Backup	Automatically backup the recorded video of the date before to FTP server		
Intelligent Search	General motion, Missing object, Foreign object, Lose focus, Camera occlusion		
Remote Live View Connection	Live view maximum 16 connections at the same time		
Supported Language	English, Japanese, Traditional Chinese, Spanish, Deutsch, French, Italian, Russian, Czech, Korean,		
	Polish, Dutch, Swedish, Portuguese (Brazil)		
System Minimum Requirement			
OS	Windows XP / 2003 / Vista / Win7		
CPU	Intel Core 2 Duo, 2.6GHz		
RAM	1GB		
LAN Transmission Speed	10/100/1000 Mbps (RJ45)		
UI	1. Web browser: Internet Explorer 7 or 8 2. Client Application Program 3. Security Eye Apps		

Specifications are subjected to change without prior notice.

Products

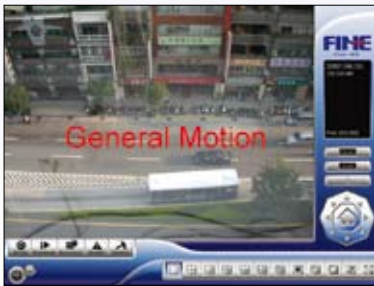## Maxiwatch Professional IP Software

Live

Playback

I.E

Remote Software

Features
- Support megapixel IP camera
- Support H.264 compression format
- Triple monitor display
- Support Joystick
- E-map
- Unique GUI recording schedule
- Digital PTZ and multi-view
- Smart detection of 6 events with 10 instant responses
- Counting application
- Intelligent playback system with 5 video analytics searches
- POS and I/O device integration
- Remote live viewer, remote playback, remote backup, remote I/O control and remote desktop configuration
- Supported by Central Management System
- Supports 36 brands of IP cameras and more than 560 models
- Supports 25 languages

Maxiwatch Professional Video Smart Intelligence

General Motion
Help users to monitor motions and can pinpoints subjects in defined area that detected intruders and trigger alarm

Camera Occlusion
Automatically detects if unidentified personal block cameras lens in an area to deter any vandalism, and alarms activated when any of the cameras is blocked

Missing Object
When an objects has been removed, missing from a detected zone, it will detects and identified to prevent Crime

Foreign Object
It can detects objects such as unidentified suitcase, Baggage appeared in area to help security people to take actions on potentially threat and damages

Lose Focus
When camera has been tore down, blurred pictures occurred for long period, it will show focus lose in the camera channel to alarm the user

Signal Lost
Automatically detects poor signals or signals lost from camera operation under surveillance to create seamless monitoring environment for best management
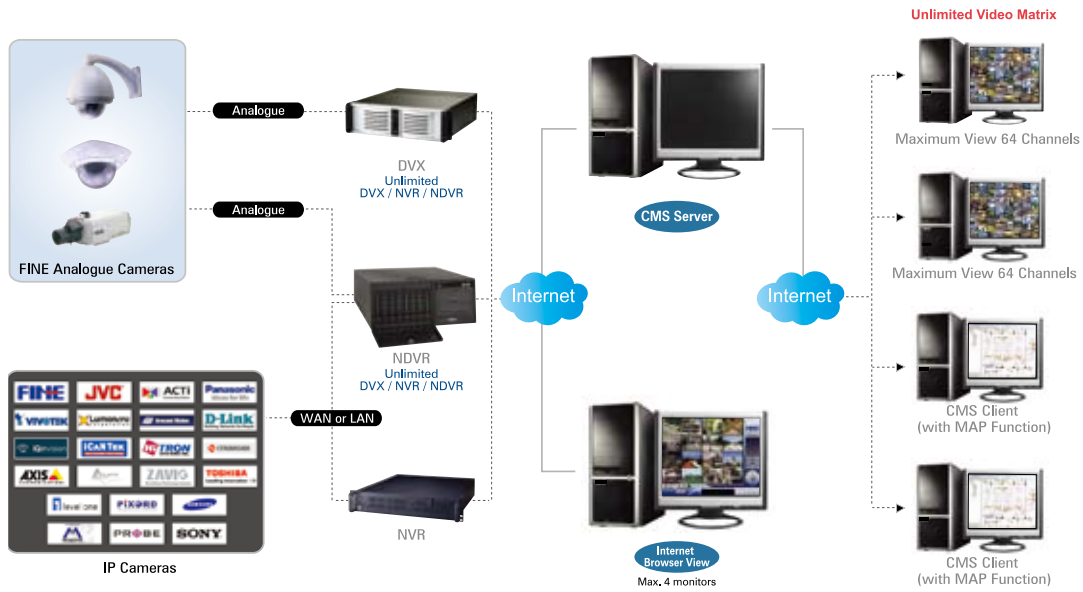

Counting Application
It can mark up two areas and count objects from in and out direction to monitor flow of movement in detected zone.

Multiple IP Brands Support

Central Management System (CMS)

Software Block Diagram

Unlimited Video Matrix

Analogue

Analogue

FINE Analogue Cameras

DVX
Unlimited
DVX / NVR / NDVR

NDVR
Unlimited
DVX / NVR / NDVR

WAN or LAN

NVR

IP Cameras

Internet

Internet

CMS Server

Internet
Browser View
Max. 4 monitors

Maximum View 64 Channels

Maximum View 64 Channels

CMS Client
(with MAP Function)

CMS Client
(with MAP Function)

Features
- Authentic client-server architecture
- Centralized management
- Supports all recording servers
  (NDVR, NVR, DVR and NAS NVR)
- Supports unlimited cameras, I/O devices
  and POS
- Supports unlimited display matrices
  for remote live view with PTZ and joystick
  control
- Supports unlimited layers of E-map
- Supports H.264, MPEG4, MJPEG, and
  MxPeg video compressions
- Supports IP cameras, megapixel cameras
  and video servers
- Device groups
- Advanced GUI alarm management
- Alarm status, data mining and reporting
  function
- Instant playback
- Remote backup
- Embedded remote desktop access to any
  servers (NDVR, NVR, DVR and NAS NVR)

Manage all NVR / NDVR and supported
IP camera/video server

Up to 64 concurrent live camera viewing
for each video matrix

Intuitive EMap GUI to indicate all the
alarms

Remote desktop and configuration to
manage remote server

Display mode with E-Map support
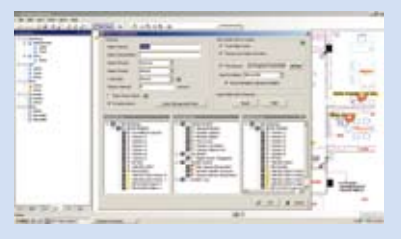Navigation design for zoom in/out

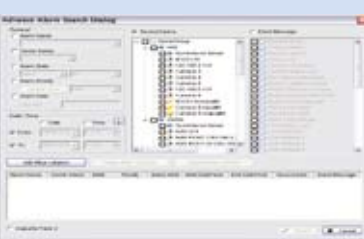Alarm Live Video Pop up notification

Remote Playback Window

Remote Back up Recorded Video

Low Disk Space, Disconnect Servers,
Unsuaual System Health Alarm

Remote PTZ control

Advanced Alarm Search