

Security system products producer



**2021**  
**FALKEN**

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Falkenco



@Falkencctv



# AHD Camera

- » 4 in 1 HD Camera
- » 2.1MP high resolution
- » AHD/TVI/CVI/CVBS Video Output
- » Fixed 3.6mm Lens
- » HD real-time video
- » 3D DNR & DWDR & BLC
- » New IR LEDs: up to 20m
- » IP66, Plastic Case

## FL-1120



## FL-1220



- » 4 in 1 HD Camera
- » 2.1MP high resolution
- » AHD/TVI/CVI/CVBS Video Output
- » Fixed 3.6mm Lens
- » HD real-time video
- » 3D DNR & DWDR & BLC
- » New IR LEDs: up to 20m
- » IP66, Plastic Case

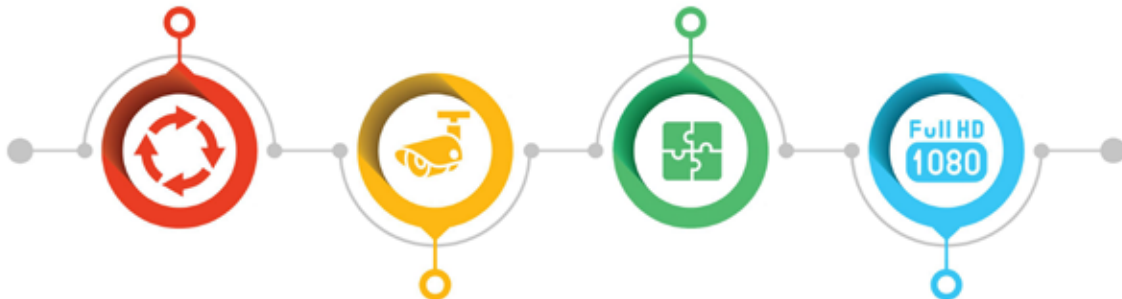
- » 4 in 1 HD Camera
- » 2.1MP high resolution
- » AHD/TVI/CVI/CVBS Video Output
- » Fixed 3.6mm Lens
- » HD real-time video
- » 3D DNR & DWDR & BLC
- » New IR LEDs: up to 30m
- » IP67, full metal body

## FL-1820



Easy switching signal mode

compatible with all popular HD recorders



4 in 1 (AHD,HD-CVI,HD-TVI,CVBS)

HD camera series

# AHD Camera

## FL-2220



- » 4 in 1 HD Camera
- » 2MP high resolution
- » AHD/TVI/CVI/CVBS Video Output
- » Fixed 3.6mm Lens
- » HD real-time video
- » 3D DNR & DWDR & BLC
- » New IR LEDs: up to 30m
- » IP67, full metal body

## FL-2025



- » 4 in 1 HD Camera
- » 2MP high resolution
- » AHD/TVI/CVI/CVBS Video Output
- » 2.8 ~ 12mm Varifocal Lens
- » HD real-time video
- » 3D DNR & DWDR & BLC
- » New IR LEDs: up to 40m
- » IP67, full metal body

## FL-2225



- » 4 in 1 HD Camera
- » 2MP high resolution
- » AHD/TVI/CVI/CVBS Video Output
- » 2.8 ~ 12mm Varifocal Lens
- » HD real-time video
- » 3D DNR & DWDR & BLC
- » New IR LEDs: up to 30m
- » IP67, full metal body

Easy switching signal mode



compatible with all popular HD recorders



4 in 1 (AHD,HD-CVI,HD-TVI,CVBS)

HD camera series



# AHD Camera

- » 4 in 1 HD Camera
- » 5.0MP high resolution
- » AHD/TVI/CVI/CVBS Video Output
- » Fixed 3.6mm Lens
- » 3D DNR & DWDR & BLC
- » New IR LEDs: up to 30m
- » IP67 , Full Metal Body

## FL-3050



## FL-2950



- » 4 in 1 HD Camera
- » 5.0MP high resolution
- » AHD/TVI/CVI/CVBS Video Output
- » Fixed 3.6mm Lens
- » 3D DNR & DWDR & BLC
- » New IR LEDs: up to 30m
- » IP67 , Full Metal Body

- » 4 in 1 HD Camera
- » 5MP high resolution
- » AHD/TVI/CVI/CVBS Video Output
- » 2.8 ~ 12mm Varifocal Lens
- » 3D DNR & DWDR & BLC
- » New IR LEDs: up to 40m
- » IP67 , Full Metal Body

## FL-3055



## FL-2255



- » 4 in 1 HD Camera
- » 5MP high resolution
- » AHD/TVI/CVI/CVBS Video Output
- » 2.8 ~ 12mm Varifocal Lens
- » 3D DNR & DWDR & BLC
- » New IR LEDs: up to 40m
- » IP67 , Full Metal Body

## FULLCOLOR

fullcolor HD camera series

☀/☾ Day & night

- » AHD/TVI/CVI/CVBS Video Output
- » 2.1MP high resolution
- » No Delay, Lossless, Long Distance transmission Up to 400 meters
- » Fixed 3.6mm Lens
- » Support low illumination, warm light day night full color
- » 3D DNR & DWDR & BLC
- » IP66, Plastic case

FL-1120-FC



FL-1220-FC



- » AHD/TVI/CVI/CVBS Video Output
- » 2.1MP high resolution
- » No Delay, Lossless, Long Distance transmission Up to 400 meters
- » Fixed 3.6mm Lens
- » Support low illumination, warm light day night full color
- » 3D DNR & DWDR & BLC
- » IP66, metal & plastic case

- » AHD/TVI/CVI/CVBS Video Output
- » 2.1MP high resolution
- » No Delay, Lossless, Long Distance transmission Up to 400 meters
- » Fixed 3.6mm Lens
- » Support low illumination, warm light day night full color
- » 3D DNR & DWDR & BLC
- » IP67, full metal body

FL-1820-FC





## AHD camera

Camera Picture													
Model Number	FL 1120	FL 1120	FL 1000	FL 2230	FL 2020	FL 2225	FL 3000	FL 2950	FL 3005	FL 2235	FL 1120-FC	FL 1120-FC	FL 1000-FC
Image Sensor	2.0 MegaPixel 1/3" CMOS						5.0 Mega Pixel 1/3" CMOS			3.0 Mega Pixel 1/3" CMOS			
Resolution	2592x1944						2880x1800			1920x1080			
Image System	PAL/NTSC												
WDR Description	Color 0.1 lux @ F1.1, AGC ON, IRIS with IR												
Lens	Fixed 3.6mm			3.6mm (180°FOV)			Fixed 3.6mm			Variable lens 2.8"-12mm			
IR Distance	100m		100m		100m		100m		100m		2 PCS 500W infra Warm Light, infra light, to be light yellow when work during		
Daylight	Full Color												
Video Output	AHD/TVI/SDI/SDP/TVBS/960H												
OSD Menu	YES												
Storage	100m (HDMI), 200m (SDI)												
SDA	Support 4K												
SNR	≥58dB (AGC OFF)												
Electronic shutter	1/500~1/7500												
Anti-glare	Support												
White balance	Auto												
Power	DC12V (±5%)												
Operational Environment	-30°~55° (Humidity)												
Body Material	Plastic Case			Metal Case			Metal Case			Plastic Case			
Waterproofing Protection	IP66			IP67			IP67			IP66			

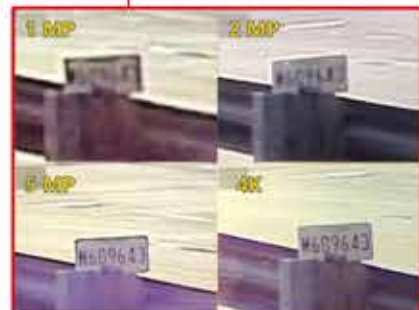
### ● Full color

HD camera & full color HD camera in **night**



### ● Resolution

1 MP, 2 MP, 5 MP, 4K



Be safe with Falken ...

## WarmLight HD Camera

- » AHD/TVI/CVI/CVBS Video Output
- » 2.1MP high resolution
- » No Delay, Lossless, Long Distance transmission Up to 400 meters
- » Fixed 3.6mm Lens
- » Support low illumination, warm light day night full color
- » 3D DNR & DWDR & BLC
- » IP67, Plastic case

### FC-1020-W



### FC-2020-W



- » AHD/TVI/CVI/CVBS Video Output
- » 2.1MP high resolution
- » No Delay, Lossless, Long Distance transmission Up to 400 meters
- » Fixed 3.6mm Lens
- » Support low illumination, warm light day night full color
- » 3D DNR & DWDR & BLC
- » IP67, metal & plastic case

- » AHD/TVI/CVI/CVBS Video Output
- » 5MP high resolution
- » No Delay, Lossless, Long Distance transmission Up to 400 meters
- » Fixed 3.6mm Lens
- » Support low illumination, warm light day night full color
- » 3D DNR & DWDR & BLC
- » IP67, full metal body

### FC-1050-W



### FC-2050-W



- » AHD/TVI/CVI/CVBS Video Output
- » 5MP high resolution
- » No Delay, Lossless, Long Distance transmission Up to 400 meters
- » Fixed 3.6mm Lens
- » Support low illumination, warm light day night full color
- » 3D DNR & DWDR & BLC
- » IP67, metal & plastic case

# WarmLight HD Camera



Model	FC-1020-W	FC-2020-W	FC-1050-W	FC-2050-W
Image Sensor	2.0 Mega Pixel 1/2.7" color GC 2053 CMOS	2.0 Mega Pixel 1/2.7" color GC 2053 CMOS	5.0 Mega Pixel 1/2.7" color GC 2053 CMOS	5.0 Mega Pixel 1/2.7" color GC 2053 CMOS
Resolution	2.0 Mega Pixel	2.0 Mega Pixel	5.0 Mega Pixel	5.0 Mega Pixel
Image System	PAL/NTSC	PAL/NTSC	PAL/NTSC	PAL/NTSC
Minimum illumination	Color: 0.1 lux @ (F2.1, AGC ON), 0 lux with IR	Color: 0.1 lux @ (F2.1, AGC ON), 0 lux with IR	Color: 0.1 lux @ (F2.1, AGC ON), 0 lux with IR	Color: 0.1 lux @ (F2.1, AGC ON), 0 lux with IR
IR LEDs	2 PCS 3500K soft Warm Light , softer Light , to be Light yellow	2 PCS 3500K soft Warm Light , softer Light , to be Light yellow	2 PCS 3500K soft Warm Light , softer Light , to be Light yellow	2 PCS 3500K soft Warm Light , softer Light , to be Light yellow
Illumination distance	20M	20M	20M	20M
Starlight	YES	YES	YES	YES
Video Output	AHD/TVI/CVI 1080P /CVBS 960H	AHD/TVI/CVI 1080P /CVBS 960H	AHD/TVI/CVI 1080P /CVBS 960H	AHD/TVI/CVI 1080P /CVBS 960H
OSD Menu	YES	YES	YES	YES
Frame rate	1080P@25fps, 1080P@30fps	1080P@25fps, 1080P@30fps	5MP@25fps, 5MP@30fps	5MP@25fps, 5MP@30fps
D&N	Support ICR	Support ICR	Support ICR	Support ICR
SNR	>52dB (AGC off)	>52dB (AGC off)	>52dB (AGC off)	>52dB (AGC off)
Electronic shutter	PAL: 1/25 s to 1/50,000 s; NTSC: 1/30 s to 1/50,000 s	PAL: 1/25 s to 1/50,000 s; NTSC: 1/30 s to 1/50,000 s	PAL: 1/25 s to 1/50,000 s; NTSC: 1/30 s to 1/50,000 s	PAL: 1/25 s to 1/50,000 s; NTSC: 1/30 s to 1/50,000 s
Auto-gain	Support	Support	Support	Support
White Balance	Auto	Auto	Auto	Auto
Power	DC12V (±10%)	DC12V (±10%)	DC12V (±10%)	DC12V (±10%)
Operation Environment	- 20 ~ 55, 10% ~ 90% (humidity)	- 20 ~ 55, 10% ~ 90% (humidity)	- 20 ~ 55, 10% ~ 90% (humidity)	- 20 ~ 55, 10% ~ 90% (humidity)

● **Warm Light HD Camera**  
Full Color HD camera in **night**





## HD XVR Series

AHD, HD-CVI, HD-TVI, CVBS, IP

### 4CH 1080N DVR

- » 5 in 1 HD DVR (XVR)
- » Connectable to AHD/TVI/CVI/CVBS/IP
- » Auto Detection camera video signal
- » HDMI output up to 1920 × 1080 resolution
- » 1 SATA interface (up to 6 TB capacity per HDD)
- » P2P , 1ch audio



### 8CH 1080N DVR

- » 5 in 1 HD DVR (XVR)
- » Connectable to AHD/TVI/CVI/CVBS/IP
- » Auto Detection camera video signal
- » HDMI output up to 1920 × 1080 resolution
- » 1 SATA interface (up to 6 TB capacity per HDD)
- » P2P , 1ch audio

### 16CH 1080N DVR

- » 5 in 1 HD DVR (XVR)
- » Connectable to AHD/TVI/CVI/CVBS/IP
- » Auto Detection camera video signal
- » HDMI output up to 1920 × 1080 resolution
- » 1 SATA interface (up to 6 TB capacity per HDD)
- » P2P , 1ch audio



Easy setup wizard for step by step installation



Auto Detect video signal



Compatible with all popular HD cameras

## HD XVR Series

AHD, HD-CVI, HD-TVI, CVBS, IP

### 4CH 1080N DVR

- » 5 in 1 HD DVR (XVR)
- » Connectable to AHD/TVI/CVI/CVBS/IP
- » Auto Detection camera video signal
- » HDMI output up to 1920 × 1080 resolution
- » 1 SATA interface (up to 6 TB capacity per HDD)
- » P2P , 4ch audio



### 8CH 1080N DVR

- » 5 in 1 HD DVR (XVR)
- » Connectable to AHD/TVI/CVI/CVBS/IP
- » Auto Detection camera video signal
- » HDMI output up to 1920 × 1080 resolution
- » 1 SATA interface (up to 6 TB capacity per HDD)
- » P2P , 4ch audio

### 16CH 1080N DVR

- » 5 in 1 HD DVR (XVR)
- » Connectable to AHD/TVI/CVI/CVBS/IP
- » Auto Detection camera video signal
- » HDMI output up to 1920 × 1080 resolution
- » 2 SATA interface (up to 6 TB capacity per HDD)
- » P2P , 4ch audio



### 32CH 1080N DVR

- » 5 in 1 HD DVR (XVR)
- » Connectable to AHD/TVI/CVI/CVBS/IP
- » Auto Detection camera video signal
- » HDMI output up to 1920 × 1080 resolution
- » 4 SATA interface (up to 6 TB capacity per HDD)
- » P2P , 4ch audio

## HD XVR Series

AHD, HD-CVI, HD-TVI, CVBS, IP

FL-HD-2040-P



### 4CH 1080P/5MN DVR

- » 5 in 1 HD DVR (XVR)
- » Connectable to AHD/TVI/CVI/CVBS/IP
- » Auto Detection camera video signal
- » HDMI output up to 1920 × 1080 resolution
- » 1 SATA interface (up to 6 TB capacity per HDD)
- » P2P , 4ch audio

### 8CH 1080P/5MN DVR

- » 5 in 1 HD DVR (XVR)
- » Connectable to AHD/TVI/CVI/CVBS/IP
- » Auto Detection camera video signal
- » HDMI output up to 1920 × 1080 resolution
- » 1 SATA interface (up to 6 TB capacity per HDD)
- » P2P , 4ch audio

FL-HD-2080-P



FL-HD-2016-P



### 16CH 1080P/5MN DVR

- » 5 in 1 HD DVR (XVR)
- » Connectable to AHD/TVI/CVI/CVBS/IP
- » Auto Detection camera video signal
- » HDMI output up to 1920 × 1080 resolution
- » 2 SATA interface (up to 6 TB capacity per HDD)
- » P2P , 4ch audio



Easy setup wizard for  
step by step installation



Auto detect video signal



Compatible with all  
popular HD cameras

## HD XVR Series

AHD, HD-CVI, HD-TVI, CVBS, IP

### 4CH 5MP DVR

- » 5 in 1 HD DVR (XVR)
- » Connectable to AHD/TVI/CVBS/IP
- » Auto Detection camera video signal
- » HDMI output up to 3840\*2160 resolution
- » 1 SATA interface (up to 6 TB capacity per HDD)
- » P2P , 4ch audio



### 8CH 5MP DVR

- » 5 in 1 HD DVR (XVR)
- » Connectable to AHD/TVI/CVBS/IP
- » Auto Detection camera video signal
- » HDMI output up to 3840\*2160 resolution
- » 1 SATA interface (up to 6 TB capacity per HDD)
- » P2P , 4ch audio

### 16CH 5MP DVR

- » 5 in 1 HD DVR (XVR)
- » Connectable to AHD/TVI/CVBS/IP
- » Auto Detection camera video signal
- » HDMI output up to 3840\*2160 resolution
- » 4 SATA interface (up to 6 TB capacity per HDD)
- » P2P , 4ch audio





# HD XVR Series

AHD, HD-CVI, HD-TVI, CVBS, IP

20K Picture												
Model Number	FL-HD-2004-EC	FL-HD-2008-EC	FL-HD-2016-EC	FL-HD-2004-N	FL-HD-2008-N	FL-HD-2016-N	FL-HD-2040-P	FL-HD-2080-P	FL-HD-2016-P	FL-HD-2048	FL-HD-2082	FL-HD-2016
Channel Mode (Playback/Ch)	4*1080P@30/1080P@30 4*720P@30/720P@30 4*480P@30/480P@30 4*360P@30/360P@30 4*288P@30/288P@30 4*216P@30/216P@30 4*144P@30/144P@30 4*90P@30/90P@30 4*54P@30/54P@30 4*36P@30/36P@30 4*27P@30/27P@30 4*18P@30/18P@30 4*12P@30/12P@30 4*9P@30/9P@30 4*6P@30/6P@30 4*4P@30/4P@30 4*3P@30/3P@30 4*2P@30/2P@30 4*1P@30/1P@30 The screen is limited to 12M in the pure BNC mode.	8*1080P@30/1080P@30 8*720P@30/720P@30 8*480P@30/480P@30 8*360P@30/360P@30 8*288P@30/288P@30 8*216P@30/216P@30 8*144P@30/144P@30 8*90P@30/90P@30 8*54P@30/54P@30 8*36P@30/36P@30 8*27P@30/27P@30 8*18P@30/18P@30 8*12P@30/12P@30 8*9P@30/9P@30 8*6P@30/6P@30 8*4P@30/4P@30 8*3P@30/3P@30 8*2P@30/2P@30 8*1P@30/1P@30 The screen is limited to 12M in the pure BNC mode.	16*1080P@30/1080P@30 16*720P@30/720P@30 16*480P@30/480P@30 16*360P@30/360P@30 16*288P@30/288P@30 16*216P@30/216P@30 16*144P@30/144P@30 16*90P@30/90P@30 16*54P@30/54P@30 16*36P@30/36P@30 16*27P@30/27P@30 16*18P@30/18P@30 16*12P@30/12P@30 16*9P@30/9P@30 16*6P@30/6P@30 16*4P@30/4P@30 16*3P@30/3P@30 16*2P@30/2P@30 16*1P@30/1P@30 The screen is limited to 12M in the pure BNC mode.	4*1080P@30/1080P@30 4*720P@30/720P@30 4*480P@30/480P@30 4*360P@30/360P@30 4*288P@30/288P@30 4*216P@30/216P@30 4*144P@30/144P@30 4*90P@30/90P@30 4*54P@30/54P@30 4*36P@30/36P@30 4*27P@30/27P@30 4*18P@30/18P@30 4*12P@30/12P@30 4*9P@30/9P@30 4*6P@30/6P@30 4*4P@30/4P@30 4*3P@30/3P@30 4*2P@30/2P@30 4*1P@30/1P@30 The screen is limited to 12M in the pure BNC mode.	8*1080P@30/1080P@30 8*720P@30/720P@30 8*480P@30/480P@30 8*360P@30/360P@30 8*288P@30/288P@30 8*216P@30/216P@30 8*144P@30/144P@30 8*90P@30/90P@30 8*54P@30/54P@30 8*36P@30/36P@30 8*27P@30/27P@30 8*18P@30/18P@30 8*12P@30/12P@30 8*9P@30/9P@30 8*6P@30/6P@30 8*4P@30/4P@30 8*3P@30/3P@30 8*2P@30/2P@30 8*1P@30/1P@30 The screen is limited to 12M in the pure BNC mode.	16*1080P@30/1080P@30 16*720P@30/720P@30 16*480P@30/480P@30 16*360P@30/360P@30 16*288P@30/288P@30 16*216P@30/216P@30 16*144P@30/144P@30 16*90P@30/90P@30 16*54P@30/54P@30 16*36P@30/36P@30 16*27P@30/27P@30 16*18P@30/18P@30 16*12P@30/12P@30 16*9P@30/9P@30 16*6P@30/6P@30 16*4P@30/4P@30 16*3P@30/3P@30 16*2P@30/2P@30 16*1P@30/1P@30 The screen is limited to 12M in the pure BNC mode.	4*1080P@30/1080P@30 4*720P@30/720P@30 4*480P@30/480P@30 4*360P@30/360P@30 4*288P@30/288P@30 4*216P@30/216P@30 4*144P@30/144P@30 4*90P@30/90P@30 4*54P@30/54P@30 4*36P@30/36P@30 4*27P@30/27P@30 4*18P@30/18P@30 4*12P@30/12P@30 4*9P@30/9P@30 4*6P@30/6P@30 4*4P@30/4P@30 4*3P@30/3P@30 4*2P@30/2P@30 4*1P@30/1P@30 The screen is limited to 12M in the pure BNC mode.	8*1080P@30/1080P@30 8*720P@30/720P@30 8*480P@30/480P@30 8*360P@30/360P@30 8*288P@30/288P@30 8*216P@30/216P@30 8*144P@30/144P@30 8*90P@30/90P@30 8*54P@30/54P@30 8*36P@30/36P@30 8*27P@30/27P@30 8*18P@30/18P@30 8*12P@30/12P@30 8*9P@30/9P@30 8*6P@30/6P@30 8*4P@30/4P@30 8*3P@30/3P@30 8*2P@30/2P@30 8*1P@30/1P@30 The screen is limited to 12M in the pure BNC mode.	16*1080P@30/1080P@30 16*720P@30/720P@30 16*480P@30/480P@30 16*360P@30/360P@30 16*288P@30/288P@30 16*216P@30/216P@30 16*144P@30/144P@30 16*90P@30/90P@30 16*54P@30/54P@30 16*36P@30/36P@30 16*27P@30/27P@30 16*18P@30/18P@30 16*12P@30/12P@30 16*9P@30/9P@30 16*6P@30/6P@30 16*4P@30/4P@30 16*3P@30/3P@30 16*2P@30/2P@30 16*1P@30/1P@30 The screen is limited to 12M in the pure BNC mode.	4*1080P@30/1080P@30 4*720P@30/720P@30 4*480P@30/480P@30 4*360P@30/360P@30 4*288P@30/288P@30 4*216P@30/216P@30 4*144P@30/144P@30 4*90P@30/90P@30 4*54P@30/54P@30 4*36P@30/36P@30 4*27P@30/27P@30 4*18P@30/18P@30 4*12P@30/12P@30 4*9P@30/9P@30 4*6P@30/6P@30 4*4P@30/4P@30 4*3P@30/3P@30 4*2P@30/2P@30 4*1P@30/1P@30 The screen is limited to 12M in the pure BNC mode.	8*1080P@30/1080P@30 8*720P@30/720P@30 8*480P@30/480P@30 8*360P@30/360P@30 8*288P@30/288P@30 8*216P@30/216P@30 8*144P@30/144P@30 8*90P@30/90P@30 8*54P@30/54P@30 8*36P@30/36P@30 8*27P@30/27P@30 8*18P@30/18P@30 8*12P@30/12P@30 8*9P@30/9P@30 8*6P@30/6P@30 8*4P@30/4P@30 8*3P@30/3P@30 8*2P@30/2P@30 8*1P@30/1P@30 The screen is limited to 12M in the pure BNC mode.	16*1080P@30/1080P@30 16*720P@30/720P@30 16*480P@30/480P@30 16*360P@30/360P@30 16*288P@30/288P@30 16*216P@30/216P@30 16*144P@30/144P@30 16*90P@30/90P@30 16*54P@30/54P@30 16*36P@30/36P@30 16*27P@30/27P@30 16*18P@30/18P@30 16*12P@30/12P@30 16*9P@30/9P@30 16*6P@30/6P@30 16*4P@30/4P@30 16*3P@30/3P@30 16*2P@30/2P@30 16*1P@30/1P@30 The screen is limited to 12M in the pure BNC mode.
CPU	HiSilicon 8520D V200	HiSilicon 8520D V300	HiSilicon 8521A	HiSilicon 8520D V200	HiSilicon 8520D V300	HiSilicon 8521A	HiSilicon 8520D V300	HiSilicon 8531A	HiSilicon 8531A	HiSilicon 8521A	HiSilicon 8531A	HiSilicon 8531A*2
System	H.264, Embedded Linux											
Recording Channel	4 Channel	8 Channel	16 Channel	4 Channel	8 Channel	16 Channel	4 Channel	8 Channel	16 Channel	4 Channel	8 Channel	16 Channel
Search Parameters	Max 4CH	Max 8CH	Max 16CH	Max 4CH	Max 8CH	Max 16CH	Max 4CH	Max 8CH	Max 16CH	Max 4CH	Max 8CH	Max 16CH
Search Method	N/A											
Remote Mouse	Yes											
Alarm Input	N/A											
Storage	1 HDD up to 6TB											
Expansion Slot	2 HDD up to 12TB											
PC	3 HDD up to 6TB											
Storage	2 HDD up to 12TB											
Expansion Slot	1 HDD up to 6TB											
PC	#HDD up to 40TB											
Network	Supports multiple web browsers, CMS, Mobile phone operating system (iPhone, Android)											
Network	1 * RS485 (Pan, Tilt, Zoom, Preset, Cruise, Track)											
Network	20 / 100 Mbps Ethernet (RJ-45)											
Network	Yes via Taparcloud.net											
Power	DC12V / 2A	DC12V / 3A	DC12V / 2A	DC12V / 2A	DC12V / 4A	DC12V / 4A	DC12V / 2A	DC12V / 4A	DC12V / 2A	DC12V / 2A	DC12V / 4A	DC12V / 4A
Operation Environment	-10 ~ 60 10% ~ 90% (humidity)											

### Auto detect video signal



Easy setup wizard for step by step installation

Compatible with all popular HD cameras

Be safe with Falken...

## HD XVR Series

AHD, HD-CVI, HD-TVI, CVBS, IP

### 4CH 5MN DVR

- » 5 in 1 HD DVR (XVR)
- » Connectable to AHD/TVI/CVI/CVBS/IP
- » Auto Detection camera video signal
- » HDMI output up to 1920 × 1080 resolution
- » 1 SATA interface (up to 10 TB capacity per HDD)
- » P2P , 4ch audio

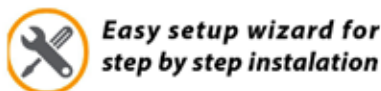


### 8CH 5MN DVR

- » 5 in 1 HD DVR (XVR)
- » Connectable to AHD/TVI/CVI/CVBS/IP
- » Auto Detection camera video signal
- » HDMI output up to 1920 × 1080 resolution
- » 1 SATA interface (up to 10 TB capacity per HDD)
- » P2P , 4ch audio

### 16CH 1080N DVR

- » 5 in 1 HD DVR (XVR)
- » Connectable to AHD/TVI/CVI/CVBS/IP
- » Auto Detection camera video signal
- » HDMI output up to 1920 × 1080 resolution
- » 1 SATA interface (up to 10 TB capacity per HDD)
- » P2P , 1ch audio



# HD XVR Series

AHD, HD-CVI, HD-TVI, CVBS, IP

Model	FD-1304	FD-1308	FD-1116
Live/fps	4 * 5MN/20 fps	8 * 5MN/20 fps	16 * 1080N/25 fps
Record/fps	4 * 5MN/12 fps	8 * 5MN/12 fps	16 * 1080N/25 fps
Playback/fps	2 * 5MN/12 fps	4 * 5MN/12 fps	4 * 1080N/25 fps
CPU	Hisilicon 3520D V300	Hisilicon 3520D V300	Hisilicon 3521A
System	H.264+/H.265+/265X , Embedded Linux	H.264+/265+/265X , Embedded Linux	H.265X , Embedded Linux
Channel mode	Support any channel mode combination (5MN analog + 1080P IPC)	Support any channel mode combination (5MN analog + 1080P IPC)	—
Simultaneous playback	2ch	2ch	8ch
Audio in	4ch	4ch	1ch
Alarm	N/A	N/A	N/A
Storage	1 HDD up to 10TB	1 HDD up to 10TB	1 HDD up to 10TB
Remote Access	Supports multiple web browsers(Mozilla firefox, Chrome,...), BMS , Mobile phone operating system (iPhone, Android)	Supports multiple web browsers(Mozilla firefox, Chrome,...), BMS , Mobile phone operating system (iPhone, Android)	Supports multiple web browsers(Mozilla firefox, Chrome,...), BMS , Mobile phone operating system (iPhone, Android)
PTZ	1 * RS485 (Pan, Tilt, Zoom, Preset, Cruise, Trace)	1 * RS485 (Pan, Tilt, Zoom, Preset, Cruise, Trace)	1 * RS485 (Pan, Tilt, Zoom, Preset, Cruise, Trace)
Network	10 / 100 Mbps Ethernet (RJ-45)	10 / 100 Mbps Ethernet (RJ-45)	10 / 100 Mbps Ethernet (RJ-45)
Remote Control	NO	NO	NO
Power	DC12V / 2A	DC12V / 2A	DC12V / 2A
Operation Environment	- 10 ~ 60, 10% ~ 90% ( humidity)	- 10 ~ 60, 10% ~ 90% ( humidity)	- 10 ~ 60, 10% ~ 90% ( humidity)

## Auto detect video signal



Easy setup wizard for step by step installation

Compatible with all popular HD cameras

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## FL-5120S

- » 1/ 2.7" CMOS Progressive scan
- » Up to 2MP@30fps, H.264/H.265
- » 2D/3D DNR, DWDR, Anti-fog, IR-CUT
- » Dual Stream, P2P, PoE, Onvif
- » IP67 , Full Metal Body
- » Built in Microphone



## FL-5220S



- » 1/ 2.7" CMOS Progressive scan
- » Up to 2MP@30fps, H.264/H.265
- » 2D/3D DNR, DWDR, Anti-fog, IR-CUT
- » Dual Stream, P2P, PoE, Onvif
- » IP67 , Full Metal Body
- » Built in Microphone

## FL-5150S

- » 1/ 2.7" CMOS Progressive scan
- » Up to 5MP@15fps, H.264/H.265
- » 2D/3D DNR, DWDR, Anti-fog, IR-CUT
- » Dual Stream, P2P, PoE, Onvif
- » IP67 , Full Metal Body
- » Built in Microphone



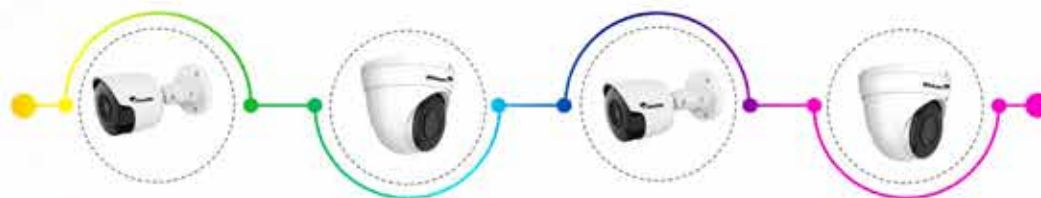
## FL-5250S



- » 1/ 2.7" CMOS Progressive scan
- » Up to 5MP@15fps, H.264/H.265
- » 2D/3D DNR, DWDR, Anti-fog, IR-CUT
- » Dual Stream, P2P, PoE, Onvif
- » IP67 , Full Metal Body
- » Built in Microphone



# IP Camera



Model	FL-5120S	FL-5220S	FL-5150S	FL-5250S
Resolution	2MP 1920(H)×1080(V)		5MP 2592(H)×1944(V)	
Image Sensor	1/2.7" Progressive CMOS			
Min. illumination	Color 0.1lux @ F1.2(AGC ON) ; B/W 0 lux @ IR ON		Color 0.05lux @ F1.2(AGC ON) ; B/W 0 lux @ IR ON	
Stream	Dual			
Frame Rate	Mainstream (1~25 fps) 1080P(1920×1080), 960P(1280×960), 720P(1280×720) Substream VGA(640×480), QVGA(320×240)		Mainstream (1~15fps) 5MP(2592×1944), 4MP(2592×1520), 3MP(2048×1520), 1080P(1920×1080), 960P(1280×960), 720P(1280×720) Substream (1~15fps) VGA(640×480), QVGA(320×240)	
Shutter	1/5 ~ 1/20000s			
Slow Shutter	Support			
Lens	3.6 mm H.FOV: 87°		3.6 mm H.FOV: 77°	
Day & Night	IR cut filter with auto switch			
Digital noise reduction	3D DNR			
WDR	Digital WDR			
Video Compression	H.265/H.264			
Video Bitrate	256Kbps ~ 8Mbps			
Image Setting	Flip mode, Saturation, Brightness, Contrast, Hue, Sharpness adjustable			
BLC	Support			
Privacy Mask	Support			
Video Analytics	N/A			
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, HTTPS, FTP			
System Compatibility	ONVIF( Ver 2.6, Profile S, Profile G)			
Interface	RJ45 10M / 100M Ethernet interface x1			
LED	18 Pcs (smd)			
IR Range	Up to 30 M			
Microphone	YES			
SD Storage	NO			
Alarm Trigger	NO			
Audio	NO			
Video Output	NO			
Reset Button	NO			
POE	YES			
Water Proof	IP67			
Power Supply	DV 12V/POE			
Consumption	≤ 7W			
Dimension	Ø63 X115mm			
Weight	appr. 225g			
Storage Temperature	-30 ~ +60°C			
Operating Temperature	-30 ~ +55°C			

## Professional Series

- » IP camera input: 16ch. 320Mbps
- » Decoding: 16ch 2MP/10ch 3MP/8ch 4MP/4ch 4K @25fps
- » IP Resolution:8MP/5MP/4MP/3MP/1080P/720P
- » 4ch 4K realtime playback
- » H.265+ compression way auto adjust with IPC
- » HDMI 1.4a, support 3840\*2160 resolution
- » Protocol support: ONVIF, HIK,Dahua,XM, etc.
- » P2P,Web 2.0, 2SATA , each SATA support 8TB
- » Dropbox, Cloud Storage, startup Wizard, QR Code
- » Professional Intelligent Options : Face Detection, People and vehicle Counter, Line Crossing, Allow And Deny List, etc

### FL-NV-1600PRO

16CH NON POE



### FL-NV-1616PRO

16CH FULL POE

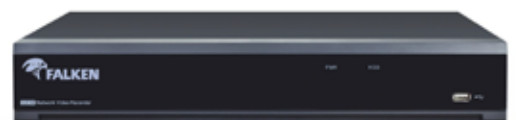


- » IP camera input: 16ch. 320Mbps
- » Decoding: 16ch 2MP/10ch 3MP/8ch 4MP/4ch 4K @25fps
- » IP Resolution:8MP/5MP/4MP/3MP/1080P/720P
- » 4ch 4K realtime playback
- » H.265+ compression way auto adjust with IPC
- » HDMI 1.4a, support 3840\*2160 resolution
- » Protocol support: ONVIF, HIK,Dahua,XM, etc.
- » P2P,Web 2.0, 2SATA , each SATA support 8TB
- » Dropbox, Cloud Storage, startup Wizard, QR Code
- » Professional Intelligent Options : Face Detection, People and vehicle Counter, Line Crossing, Allow And Deny List, etc

- » IP camera input: 32ch. 320Mbps
- » Decoding: 16ch 2MP/11ch 3MP/4ch 4K @25fps
- » IP Resolution:8MP/5MP/4MP/3MP/1080P/720P
- » 4ch 4K realtime playback
- » H.265+ compression way auto adjust with IPC
- » HDMI 1.4a, support 3840\*2160 resolution
- » Protocol support: ONVIF, HIK,Dahua,XM, etc.
- » P2P,Web 2.0, 4SATA , each SATA support 8TB
- » Dropbox, Cloud Storage, startup Wizard, QR Code
- » Professional Intelligent Options : Face Detection, People and vehicle Counter, Line Crossing, Allow And Deny List, etc

### FL-NV-3200PRO

32CH NON POE



## Professional Series

- » IP camera input: 4ch. 50Mbps
- » 5Mp models IP Camera input: 4ch. 24MB/s
- » Decoding: 4ch.D1 / 4ch.720P/4ch.1080P/4ch 5mp @ 25fps
- » IP Resolution:8MP/5MP/4MP/3MP/1080P/720P
- » 2ch 4K realtime playback
- » H.265+ compression way auto adjust with IPC
- » HDMI 1.4a, support 3840\*2160 resolution
- » Protocol support: ONVIF, HIK,Dahua,XM, etc.
- » P2P,Web 2.0, 1SATA , each SATA support 8TB
- » Dropbox, Cloud Storage, startup Wizard, QR Code
- » Professional Intelligent Options : Face Detection, People and vehicle Counter, Line Crossing, Allow And Deny List, etc

**FL-NV-4404PRO**

4CH FULL POE



**FL-NV-4808PRO**

8CH FULL POE



- » IP camera input: 8ch. 80Mbps
- » Decoding: 8ch.1080P/4ch.4MP/3ch.5MP/4ch.4K @25fps
- » IP Resolution:8MP/5MP/4MP/3MP/1080P/720P
- » 2ch 4K realtime playback
- » H.265+ compression way auto adjust with IPC
- » HDMI 1.4a, support 3840\*2160 resolution
- » Protocol support: ONVIF, HIK,Dahua,XM, etc.
- » P2P,Web 2.0, 1SATA , each SATA support 8TB
- » Dropbox, Cloud Storage, startup Wizard, QR Code
- » Professional Intelligent Options : Face Detection, People and vehicle Counter, Line Crossing, Allow And Deny List, etc







**FL-NV-6400PRO**

64CH NON POE



- » IP camera input: 64ch. 640Mbps
- » Decoding: 16ch 2MP/11ch 3MP/4ch 4K @25fps
- » IP Resolution:8MP/5MP/4MP/3MP/1080P/720P
- » 4ch 4K realtime playback
- » H.265+ compression way auto adjust with IPC
- » HDMI 1.4a, support 3840\*2160 resolution
- » Protocol support: ONVIF, HIK,Dahua,XM, etc.
- » P2P,Web 2.0, 8SATA , each SATA support 8TB
- » Dropbox, Cloud Storage, startup Wizard, QR Code
- » Professional Intelligent Options : Face Detection, People and vehicle Counter, Line Crossing, Allow And Deny List, etc

# NVR Professional Series

DVR Picture						
Model	FL-NV-1600PRO	FL-NV-1616PRO	FL-NV-3200PRO	FL-NV-4404PRO	FL-NV-4808PRO	FL-NV-6400PRO
Recording Bandwidth	Max 320 Mbps			Max 50 Mbps	Max 80 Mbps	Max 640 Mbps
Recording Resolution	8MP,5MP, 3MP,2MP[1080P],1.3MP[960P],1.0MP[720P]					
Display split	1/4/6/8/9/10/13/14/16		1/4/6/8/9/10/13/14/16/17/19/22/25/32/36		1/4	1/4/6/8/9
Live/Playback Performance	4K : 4ch Realtime 4MP : 8ch Realtime 3MP : 10ch Realtime 2MP : 16ch Realtime		4K : 4ch Realtime 3MP : 11ch Realtime 2MP : 16ch Realtime		Max 2ch total:4K@30fps Max 3ch total:5MP@45fps 4MP@60fps 3MP@75fps 2MP@120fps	Max 2ch total:4K@30fps Max 3ch total:5MP@45fps Max 4ch total:4MP@60fps Max 5ch total:3MP@75fps 2MP@120fps
Output Interface	1 HDMI (up to 4K) , 1 VGA					
Display Resolution	3840*2160 , 2560*1440 , 1920*1080 , 1440*900 , 1280*1024 , 1280*720 , 1024*768			1024*768 , 1280*720 , 1280*1024 , 1440*900 1920*1080 , 2560*1440 , 3840*2160		3840*2160 , 2560*1440 , 1920*1080 , 1440*900 , 1280*1024 , 1280*720 , 1024*768
Alarm Input/Output	16CH in / 1CH out			NO	NO	16CH in / 1CH out
Ethernet	RJ45 Port (1000 Mbps)				RJ45 Port (100/1000 Mbps)	
Smart Phone	ios/Android					
Internal HDD	2 SATA HDD, up to 6TB (max 8TB )		4 SATA HDD, up to 6TB (max 8TB )		1 SATA HDD, up to 6TB (max 8TB )	
RS485	YES		NO			
e-SATA	YES				NO	
Line In	YES			NO		
USB	1x USB 3.0 for backup/upgrade , 2x USB 2.0 for mouse			2 * USB 2.0		1x USB 3.0 for backup/upgrade , 2x USB 2.0 for mouse
Onvif	YES		YES, Version 2.3 Conformance		YES	
AI-Maximum Captured Quantity	200,000 Faces		200,000 Faces		200,000 Faces	
AI-Registered Quantity	10,000 Faces		10,000 Faces		10,000 Faces	
POE	16 PoE Ports ; Single Port Up To 802.3at(30W)					
Power Consumption (Excluding HDD)	6 Watt		12 Watt		6 Watt	
Power Supply	DC 12V		AC 110 ~ 240 V POE Switch : 48 V		DC 12V	
Dimension (WxDxH)	380X340X50 mm		378X325X66 mm		300X227X53 mm	
					440X460X89 mm	



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Security system productes producer



2020

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