# JF TECH

# AHD/XVI
## SOLUTION SELECTION

2018 Ver.1

HANGZHOU JUFENG TECHNOLOGY CO.,LTD.

www.jftech.com

# HANGZHOU JUFENG TECHNOLOGY CO.,LTD

**JF TECH** A leading video surveillance provider in China

HANGZHOU JUFENG TECHNOLOGY CO.,LTD (JF TECH) is a high-tech company which was established in 2008, focused on "R&D", with production, sales, service all provided, JF TECH devotes itself to offer high-quality, best price products and "point to point "best service. JF TECH is a leading video surveillance provider in China, located in Hangzhou. It has its own branch company & office in most of main domestic cities.

JF TECH focus on video surveillance, encoding, decoding, intelligent analysis, cloud storage etc. , meanwhile, we explore new technology, new solution continuously. With dedicated IP&AHD technology, together with excellent surveillance software platform,etc., JF TECH solution is widely used in many fields, such as Intelligent-transportation, Safe city, Mobile surveillance, community surveillance，Internet of things.

## Video Surveillance Leader

- new technology, new solution continuously
- high-quality, best price
- IP&AHD technology, together with excellent surveillance software platform,etc.

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# Camera Technical Features

**Starlight:** Under the environment of starlight illumination without auxiliary light source, it can get clear image, the minimum illumination up to 0.0001lux.（Ordinary low illumination，starlight low illumination）



**Day/night switch:** In the dim environment, the camera can switch from color mode to black /white mode , and improve the light sensitivity to make the image clearly visible.（color mode，black and white mode）



**WDR:**It can balance the high brightness region and low brightness region to output a clear image.
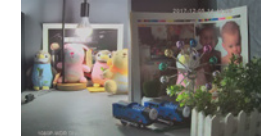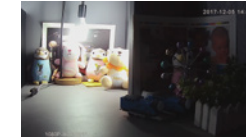


**Defogging:** The fog and rainy days will seriously affect the image effect of the cameras, but the cameras which support defogging function can restore the clear image through the fog.



**Backlight Compensation:**It can compensate for the defect that the main part of the image is dark in the background of intense light, lift the brightness of the dark main part to identify the main port better.



**Privacy Mask:**It can add and set the mask region in the image flexibly to avoid the leakage of sensitive information in the image and protect the security of users.
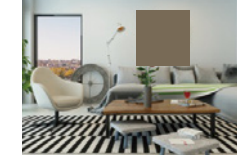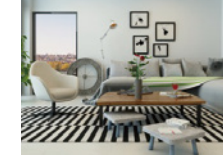


**Rotate mode:** In the narrow monitoring environment，the ordinary camera can only get part of the scene, both sides of the monitoring space are ignored, when the camera open corridor mode, it will change the picture ratio on the screen and get a better monitoring scene.



**3D noise reduction:** 3D noise reduction (3D DNR) surveillance cameras can find the noise position and make gain control by comparing, screening the image of before and after frame rate. The 3D noise reduction of the camera can reduce the weak image signal noise interference, image noise will be significantly reduced, the image will be more thorough, which shows a relatively pure and exquisite picture.



**Intelligent Video:** Support the intelligent video function, including Tripwire, Intrusion, Scene Change, Abandoned and Missing Object.

# Camera Technical Features

**H.265+** : H265+ is a video coding technology which optimized on the base of H265. Only 2.5G for one day recording.

**H.264+** : H264+ is a video coding technology which optimized on the base of H264.Only 1G for one night recording.

**6KV anti-thunder:** Thunderstorm weather, outdoor electricity equipment is vulnerable to suffer the lightning strike. In order to avoid being damaged by thunderstorm, the camera must have a good anti-thunderstorm protection measures. 6KV anti-thunderstorm protection technology can effectively resist the strong lightning stroke and reduce the probability of the lightning strike in the process of the use of the camera.

**±10% power supply voltage:** when the camera is working, it's ok for a certain power supply voltage fluctuations, our company adopt the advanced voltage rectifier technology which can be up to ±10%

**POE:** JFTech cameras support Power over Ethernet, it can save the cost of power adapter, the power line and the switch.

**Upgrade online:** The devices can automatically identify whether there is a firmware update on the server and remind the user to upgrade the latest firmware when it is online.
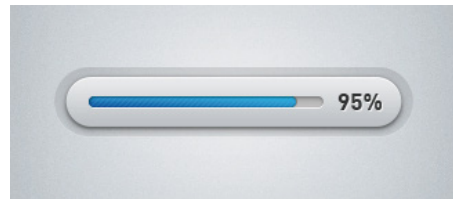
**DSS:** New DSS architecture, show the image quickly, MD5+ private algorithm, service cluster+ load balancing, more security because of the double encryption, more stable performance, and the connectivity rate is 100%.
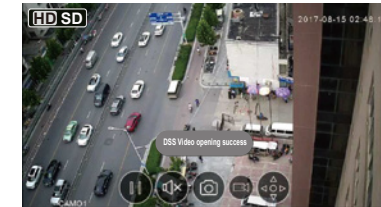
**XVI Control:** XVI Control is a new coaxial transmission protocol, highly compatible the specific transmission protocol of AHD, TVI and CVI, and support the functions of XVI control, Image enhance, XVI upgrade and Sensor Cfg.

**Coaxial Control**      **Coaxial Update**      **Image enhancement**

**Three-axis adjustable bracket:**
Bullet camera comes with three-axis adjustable bracket; the angle can be freely adjusted and easily installed. At the same time it could save the cost of bracket.

**IP66 / IP67:** Waterproof design, high reliability.

IP66
IP67

# XVI Camera

Support Starlight

1080P/720P Series

Support XVI/AHD/TVI/CVI

Provide superior image quality at night

# What's XVI？

XVI is also known as AXVI, a coaxial transmission protocol, which is newly developed by JF TECH.XVI is compatible with AHD and TVI protocols，and also has unique features which make it stand out from the competition.

## The core feature of XVI

### Coaxial Control: One coaxial cable can transfer video and command signal at the same time.

DVR can control XVI camera directly, which is convenient to debug and maintain the project.

### Coaxial Update: Transfer updates date by coaxial cable

Update XVI by DVR directly,make firmware customization more easier,no need to return to factory,which is helpful to save your time and energy.



Need professional maintenance staff, require much time and effort.



Remote operate,easier an d quicker  .

### Image enhancement

JF TECH design image enhancement and noise reduction unit in XM310、XM320、XM330 and other ISP Independent chip. Images can show remarkable features when combining XVI with JF TECH DVR.

| | EDB | | BA | | HEB | |
|---|---|---|---|---|---|---|
| | Motorized Zoom | Manual Focus | Motorized Zoom | Manual Focus | Motorized Zoom | Manual Focus |
| Model | JF-XVI-EDB4420-IR8-AF | JF-XVI-EDB4420-IR3-VF | JF-XVI-BA4420-IR3-AF | JF-XVI-BA4420-IR3-VF | JF-XVI-HEB4420-IR3-AF | JF-XVI-HEB4420-IR3-VF |
| Image Sensor | 1/2.8" 2MP CMOS | | 1/2.8" 2MP CMOS | | 1/2.8" 2MP CMOS | |
| Min.Illumination | 0.001Lux@F1.2(Color) /0.0001Lux@F1.2(B/W) | | 0.001Lux@F1.2(Color) 0.0001 Lux@F1.2(B/W) | | 0.001Lux@F1.2(Color) 0.0001 Lux@F1.2(B/W) | |
| Lens | 2.8~12mm | | 2.8~12mm | | 2.8~12mm | |
| Day/Night | IR-CUT | | IR-CUT | | IR-CUT | |
| WDR | DWDR | | DWDR | | DWDR | |
| Max.IR Distance | 90m | 40m | 40m | | 40m | |
| OSD Menu | UTC Control | | UTC Control | | UTC Control | |
| Noise Reduction | 2D | | 2D | | 2D | |
| Frame Rate | 50Hz:1080P@25fps60Hz:1080P@30fps | | 50Hz:1080P@25fps 60Hz:1080P@30fps | | 50Hz:1080P@25fps 60Hz:1080P@30fps | |
| Pan/Tilt/Rotation | Pan:360°/Tilt:90°/Rotation:360° | | Pan:355°/Tilt:90°/Rotation:355° | | Pan:360°/Tilt:90°/Rotation:360° | |
| Video Output | XVI/AHD/TVI/CVI Switchable | | XVI/AHD/TVI/CVI Switchable | | XVI/AHD/TVI/CVI Switchable | |
| Audio In | -- | | -- | | -- | |
| Alarm In/Out | -- | | -- | | -- | |
| Ingression Protection | IP67 | IP66 | IP66,IK10(optional) | | IP66 | |
| Working Temperature | -20°~+65° | | -20°~+65° | | -20°~+65° | |
| Material | ABS plastic +Metal | | Metal | | Metal | |
| Power | DC12V±10% | | DC12V±10% | | DC12V±10% | |

| | ED | EQ | BM | BC | HE |
|---|---|---|---|---|---|
| Model | JF-XVI-ED4420-IR2 | JF-XVI-EQ4420-IR2 | JF-XVI-BM4420-IR2 | JF-XVI-BC4420-IR1 | JF-XVI-HE4420-IR2 |
| Image Sensor | 1/2.8" 2MP CMOS | 1/2.8" 2MP CMOS | 1/2.8" 2MP CMOS | 1/2.8" 2MP CMOS | 1/2.8" 2MP CMOS |
| Min.Illumination | 0.001Lux@F1.2(Color) 0.0001Lux@F1.2(B/W) | 0.001Lux@F1.2(Color) 0.0001Lux@F1.2(B/W) | 0.001Lux@F1.2(Color) 0.0001 Lux@F1.2(B/W) | 0.001Lux@F1.2(Color) 0.0001 Lux@F1.2(B/W) | 0.001Lux@F1.2(Color) 0.0001 Lux@F1.2(B/W) |
| Lens | 3.6mm(2.8mm,6mm optional) | 3.6mm(2.8mm,6mm optional) | 3.6mm(2.8mm,6mm optional) | 3.6mm(2.8mm,6mm optional) | 3.6mm(2.8mm,6mm optional) |
| Day/Night | IR-CUT | IR-CUT | IR-CUT | IR-CUT | IR-CUT |
| WDR | DWDR | DWDR | DWDR | DWDR | DWDR |
| Max.IR Distance | 30m | 30m | 30m | 20m | 30m |
| OSD Menu | UTC Control | UTC Control | UTC Control | UTC Control | UTC Control |
| Noise Reduction | 2D | 2D | 2D | 2D | 2D |
| Frame Rate | 50Hz:1080P@25fps 60Hz:1080P@30fps | 50Hz:1080P@25fps 60Hz:1080P@30fps | 50Hz:1080P@25fps 60Hz:1080P@30fps | 50Hz:1080P@25fps 60Hz:1080P@30fps | 50Hz:1080P@25fps 60Hz:1080P@30fps |
| Pan/Tilt/Rotation | Pan:360°/Tilt:90°/Rotation:360° | Pan:360°/Tilt:90°/Rotation:360° | Pan:355°/Tilt:90°/Rotation:355° | Pan:355°/Tilt:90°/Rotation:355° | Pan:360°/Tilt:90°/Rotation:360° |
| Video Output | XVI/AHD/TVI/CVI Switchable | XVI/AHD/TVI/CVI Switchable | XVI/AHD/TVI/CVI Switchable | XVI/AHD/TVI/CVI Switchable | XVI/AHD/TVI/CVI Switchable |
| Audio In | -- | -- | -- | -- | -- |
| Alarm In/Out | -- | -- | -- | -- | -- |
| Ingression Protection | IP67 | IP67 | IP66,IK10(optional) | IP66,IK10(optional) | IP67 |
| Working Temperature | -20°～+65° | -20°～+65° | -20°～+65° | -20°～+65° | -20°～+65° |
| Material | ABS plastic +Metal | ABS plastic +Metal | Metal | Metal | ABS plastic +Metal |
| Power | DC12V±10% | DC12V±10% | DC12V±10% | DC12V±10% | DC12V±10% |

# Lite Series 1080P Low Illumination

| | EDB(Manual Focus) | BA(Manual Focus) | HEB(Manual Focus) | BS(Manual Focus) |
|---|---|---|---|---|
| Model | JF-XVI-EDB2320-IR3-VF | JF-XVI-BA2320-IR3-VF | JF-XVI-HEB2320-IR3-VF | JF-XVI-BS2320-IR2-VF |
| Image Sensor | 1/2.7" 1080P CMOS | 1/2.7" 1080P CMOS | 1/2.7" 1080P CMOS | 1/2.7" 1080P CMOS |
| Min.Illumination | 0.01Lux@F1.2(Color)<br>0.001Lux@F1.2(B/W) | 0.01Lux@F1.2(Color)<br>0.001Lux@F1.2(B/W) | 0.01Lux@F1.2(Color)<br>0.001Lux@F1.2(B/W) | 0.01Lux@F1.2(Color)<br>0.001Lux@F1.2(B/W) |
| Lens | 2.8~12mm | 2.8~12mm | 2.8~12mm | 2.8~12mm |
| Day/Night | IR-CUT | IR-CUT | IR-CUT | IR-CUT |
| WDR | DWDR | DWDR | DWDR | DWDR |
| Max.IR Distance | 40m | 40m | 40m | 30m |
| OSD Menu | UTC Control | UTC Control | UTC Control | UTC Control |
| Noise Reduction | 2D | 2D | 2D | 2D |
| Frame Rate | 50Hz:1080P@25fps<br>60Hz:1080P@30fps | 50Hz:1080P@25fps<br>60Hz:1080P@30fps | 50Hz:1080P@25fps<br>60Hz:1080P@30fps | 50Hz:1080P@25fps<br>60Hz:1080P@30fps |
| Pan/Tilt/Rotation | Pan:360°/Tilt:90°/Rotation:360° | Pan:355°/Tilt:90°/Rotation:355° | Pan:360°/Tilt:90°/Rotation:360° | Pan:355°/Tilt:90°/Rotation:355° |
| Video Output | XVI/AHD/TVI/CVI Switchable | XVI/AHD/TVI/CVI Switchable | XVI/AHD/TVI/CVI Switchable | XVI/AHD/TVI/CVI Switchable |
| Audio In | -- | -- | -- | -- |
| Alarm In/Out | -- | -- | -- | -- |
| Ingression Protection | IP66 | IP66,IK10(optional) | IP66 | -- |
| Working Temperature | -20°～+65° | -20°～+65° | -20°～+65° | -20°～+65° |
| Material | ABS plastic +Metal | Metal | Metal | Plastic |
| Power | DC12V±10% | DC12V±10% | DC12V±10% | DC12V±10% |

| | ED | EQ | BM | BC |
|---|---|---|---|---|
| | JF-XVI-ED2320-IR2 | JF-XVI-EQ2320-IR2 | JF-XVI-BM2320-IR2 | JF-XVI-BC2320-IR1 |
| Image Sensor | 1/2.7" 1080P CMOS | 1/2.7" 1080P CMOS | 1/2.7" 1080P CMOS | 1/2.7" 1080P CMOS |
| Min.Illumination | 0.01Lux@F1.2(Color) 0.001Lux@F1.2(B/W) | 0.01Lux@F1.2(Color) 0.001Lux@F1.2(B/W) | 0.01Lux@F1.2(Color) 0.001Lux@F1.2(B/W) | 0.01Lux@F1.2(Color) 0.001Lux@F1.2(B/W) |
| Lens | 3.6mm(2.8mm,6mm optional) | 3.6mm(2.8mm,6mm optional) | 3.6mm(2.8mm,6mm optional) | 3.6mm(2.8mm,6mm optional) |
| Day/Night | IR-CUT | IR-CUT | IR-CUT | IR-CUT |
| WDR | DWDR | DWDR | DWDR | DWDR |
| Max.IR Distance | 30m | 30m | 30m | 20m |
| OSD Menu | UTC Control | UTC Control | UTC Control | UTC Control |
| Noise Reduction | 2D | 2D | 2D | 2D |
| Frame Rate | 50Hz:1080P@25fps 60Hz:1080P@30fps | 50Hz:1080P@25fps 60Hz:1080P@30fps | 50Hz:1080P@25fps 60Hz:1080P@30fps | 50Hz:1080P@25fps 60Hz:1080P@30fps |
| Pan/Tilt/Rotation | Pan:360°/Tilt:90°/Rotation:360° | Pan:360°/Tilt:90°/Rotation:360° | Pan:355°/Tilt:90°/Rotation:355° | Pan:355°/Tilt:90°/Rotation:355° |
| Video Output | XVI/AHD/TVI/CVI Switchable | XVI/AHD/TVI/CVI Switchable | XVI/AHD/TVI/CVI Switchable | XVI/AHD/TVI/CVI Switchable |
| Audio In | -- | -- | -- | -- |
| Alarm In/Out | -- | -- | -- | -- |
| Ingression Protection | IP67 | IP67 | IP66,IK10(optional) | IP66,IK10(optional) |
| Working Temperature | -20°～+65° | -20°～+65° | -20°～+65° | -20°～+65° |
| Material | ABS plastic +Metal | Metal | Metal | Metal |
| Power | DC12V±10% | DC12V±10% | DC12V±10% | DC12V±10% |

# Lite Series 1080P Low Illumination

| Model | BS | HE | HS |
|---|---|---|---|
| | JF-XVI-BS2320-IR2 | JF-XVI-HE2320-IR2 | JF-XVI-HS2320-IR2 |
| | | | |
| Image Sensor | 1/2.7" 1080P  CMOS | 1/2.7" 1080P  CMOS | 1/2.7" 1080P  CMOS |
| Min.Illumination | 0.01Lux@F1.2(Color)<br>0.001Lux@F1.2(B/W) | 0.01Lux@F1.2(Color)<br>0.001Lux@F1.2(B/W) | 0.01Lux@F1.2(Color)<br>0.001Lux@F1.2(B/W) |
| Lens | 3.6mm(2.8mm,6mm optional) | 3.6mm(2.8mm,6mm optional) | 3.6mm(2.8mm,6mm optional) |
| Day/Night | IR-CUT | IR-CUT | IR-CUT |
| WDR | DWDR | DWDR | DWDR |
| Max.IR Distance | 30m | 30m | 30m |
| OSD Menu | UTC Control | UTC Control | UTC Control |
| Noise Reduction | 2D | 2D | 2D |
| Frame Rate | 50Hz:1080P@25fps<br>60Hz:1080P@30fps | 50Hz:1080P@25fps<br>60Hz:1080P@30fps | 50Hz:1080P@25fps<br>60Hz:1080P@30fps |
| Pan/Tilt/Rotation | Pan:355°/Tilt:90°/Rotation:355° | Pan:360°/Tilt:90°/Rotation:360° | Pan:360°/Tilt:90°/Rotation:360° |
| Video Output | XVI/AHD/TVI/CVI Switchable | XVI/AHD/TVI/CVI Switchable | XVI/AHD/TVI/CVI Switchable |
| Audio In | -- | -- | -- |
| Alarm In/Out | -- | -- | -- |
| Ingression Protection | -- | IP67 | -- |
| Working Temperature | -20°～+65° | -20°～+65° | -20°～+65° |
| Material | Plastic | Metal | Plastic |
| Power | DC12V±10% | DC12V±10% | DC12V±10% |

# Lite Series 1080P

| | EDB(Manual Focus) | BA(Manual Focus) | HEB(Manual Focus) | BS(Manual Focus) |
|---|---|---|---|---|
| Model | JF-XVI-EDB2120-IR3-VF | JF-XVI-BA2120-IR3-VF | JF-XVI-HEB2120-IR3-VF | JF-XVI-BS2120-IR2-VF |
| Image Sensor | 1/3.6" 1080P  CMOS | 1/3.6" 1080P  CMOS | 1/3.6" 1080P  CMOS | 1/3.6" 1080P  CMOS |
| Min.Illumination | 0.1Lux@F1.2(Color)<br>0.01Lux@F1.2(B/W) | 0.1Lux@F1.2(Color)<br>0.01Lux@F1.2(B/W) | 0.1Lux@F1.2(Color)<br>0.01Lux@F1.2(B/W) | 0.1Lux@F1.2(Color)<br>0.01Lux@F1.2(B/W) |
| Lens | 2.8~12mm | 2.8~12mm | 2.8~12mm | 2.8~12mm |
| Day/Night | IR-CUT | IR-CUT | IR-CUT | IR-CUT |
| WDR | DWDR | DWDR | DWDR | DWDR |
| Max.IR Distance | 40m | 40m | 40m | 30m |
| OSD Menu | UTC Control | UTC Control | UTC Control | UTC Control |
| Noise Reduction | 2D | 2D | 2D | 2D |
| Frame Rate | 50Hz:1080P@25fps<br>60Hz:1080P@30fps | 50Hz:1080P@25fps<br>60Hz:1080P@30fps | 50Hz:1080P@25fps<br>60Hz:1080P@30fps | 50Hz:1080P@25fps<br>60Hz:1080P@30fps |
| Pan/Tilt/Rotation | Pan:360°/Tilt:90°/Rotation:360° | Pan:355°/Tilt:90°/Rotation:355° | Pan:355°/Tilt:90°/Rotation:355° | Pan:355°/Tilt:90°/Rotation:355° |
| Video Output | XVI/AHD/TVI/CVI Switchable | XVI/AHD/TVI/CVI Switchable | XVI/AHD/TVI/CVI Switchable | XVI/AHD/TVI/CVI Switchable |
| Audio In | -- | -- | -- | -- |
| Alarm In/Out | -- | -- | -- | -- |
| Ingression Protection | IP66 | IP66,IK10(optional) | IP66 | -- |
| Working Temperature | -20°～+65° | -20°～+65° | -20°～+65° | -20°～+65° |
| Material | ABS plastic +Metal | Metal | Metal | Plastic |
| Power | DC12V±10% | DC12V±10% | DC12V±10% | DC12V±10% |

| | ED | EQ | BM | BC |
|---|---|---|---|---|
| Model | JF-XVI-ED2120-IR2 | JF-XVI-EQ2120-IR2 | JF-XVI-BM2120-IR2 | JF-XVI-BC2120-IR1 |
| Image Sensor | 1/3.6" 1080P CMOS | 1/3.6" 1080P CMOS | 1/3.6" 1080P CMOS | 1/3.6" 1080P CMOS |
| Min.Illumination | 0.1Lux@F1.2(Color) 0.01Lux@F1.2(B/W) | 0.1Lux@F1.2(Color) 0.01Lux@F1.2(B/W) | 0.1Lux@F1.2(Color) 0.01Lux@F1.2(B/W) | 0.1Lux@F1.2(Color) 0.01Lux@F1.2(B/W) |
| Lens | 3.6mm(2.8mm,6mm optional) | 3.6mm(2.8mm,6mm optional) | 3.6mm(2.8mm,6mm optional) | 3.6mm(2.8mm,6mm optional) |
| Day/Night | IR-CUT | IR-CUT | IR-CUT | IR-CUT |
| WDR | DWDR | DWDR | DWDR | DWDR |
| Max.IR Distance | 30m | 30m | 30m | 20m |
| OSD Menu | UTC Control | UTC Control | UTC Control | UTC Control |
| Noise Reduction | 2D | 2D | 2D | 2D |
| Frame Rate | 50Hz:1080P@25fps 60Hz:1080P@30fps | 50Hz:1080P@25fps 60Hz:1080P@30fps | 50Hz:1080P@25fps 60Hz:1080P@30fps | 50Hz:1080P@25fps 60Hz:1080P@30fps |
| Pan/Tilt/Rotation | Pan:360°/Tilt:90°/Rotation:360° | Pan:360°/Tilt:90°/Rotation:360° | Pan:355°/Tilt:90°/Rotation:355° | Pan:355°/Tilt:90°/Rotation:355° |
| Video Output | XVI/AHD/TVI/CVI Switchable | XVI/AHD/TVI/CVI Switchable | XVI/AHD/TVI/CVI Switchable | XVI/AHD/TVI/CVI Switchable |
| Audio In | -- | -- | -- | -- |
| Alarm In/Out | -- | -- | -- | -- |
| Ingression Protection | IP67 | IP67 | IP66,IK10(optional) | IP66,IK10(optional) |
| Working Temperature | -20°～+65° | -20°～+65° | -20°～+65° | -20°～+65° |
| Material | ABS plastic +Metal | Metal | Metal | Metal |
| Power | DC12V±10% | DC12V±10% | DC12V±10% | DC12V±10% |

# Lite Series 1080P

| | BS | HE | HS |
|---|---|---|---|
| Model | JF-XVI-BS2120-IR2 | JF-XVI-HE2120-IR2 | JF-XVI-HS2120-IR2 |
| Image Sensor | 1/3.6" 1080P CMOS | 1/3.6" 1080P CMOS | 1/3.6" 1080P CMOS |
| Min.Illumination | 0.1Lux@F1.2(Color)<br>0.01Lux@F1.2(B/W) | 0.1Lux@F1.2(Color)<br>0.01Lux@F1.2(B/W) | 0.1Lux@F1.2(Color)<br>0.01Lux@F1.2(B/W) |
| Lens | 3.6mm(2.8mm,6mm optional) | 3.6mm(2.8mm,6mm optional) | 3.6mm(2.8mm,6mm optional) |
| Day/Night | IR-CUT | IR-CUT | IR-CUT |
| WDR | DWDR | DWDR | DWDR |
| Max.IR Distance | 30m | 30m | 30m |
| OSD Menu | UTC Control | UTC Control | UTC Control |
| Noise Reduction | 2D | 2D | 2D |
| Frame Rate | 50Hz:1080P@25fps<br>60Hz:1080P@30fps | 50Hz:1080P@25fps<br>60Hz:1080P@30fps | 50Hz:1080P@25fps<br>60Hz:1080P@30fps |
| Pan/Tilt/Rotation | Pan:355°/Tilt:90°/Rotation:355° | Pan:360°/Tilt:90°/Rotation:360° | Pan:360°/Tilt:90°/Rotation:360° |
| Video Output | XVI/AHD/TVI/CVI Switchable | XVI/AHD/TVI/CVI Switchable | XVI/AHD/TVI/CVI Switchable |
| Audio In | -- | -- | -- |
| Alarm In/Out | -- | -- | -- |
| Ingression Protection | -- | IP67 | -- |
| Working Temperature | -20°～+65° | -20°～+65° | -20°～+65° |
| Material | Plastic | Metal | plastic |
| Power | DC12V±10% | DC12V±10% | DC12V±10% |

| | EDB(Manual Focus) | BA(Manual Focus) | HEB(Manual Focus) | BS(Manual Focus) |
|---|---|---|---|---|
| Model | JF-XVI-EDB2110-IR3-VF | JF-XVI-BA2110-IR3-VF | JF-XVI-HEB2110-IR3-VF | JF-XVI-BS2110-IR2-VF |
| Image Sensor | 1/4" 720P CMOS | 1/4" 720P CMOS | 1/4" 720P CMOS | 1/4" 720P CMOS |
| Min.Illumination | 0.1Lux@F1.2(Color) 0.01Lux@F1.2(B/W) | 0.1Lux@F1.2(Color) 0.01Lux@F1.2(B/W) | 0.1Lux@F1.2(Color) 0.01Lux@F1.2(B/W) | 0.1Lux@F1.2(Color) 0.01Lux@F1.2(B/W) |
| Lens | 2.8~12mm | 2.8~12mm | 2.8~12mm | 2.8~12mm |
| Day/Night | IR-CUT | IR-CUT | IR-CUT | IR-CUT |
| WDR | DWDR | DWDR | DWDR | DWDR |
| Max.IR Distance | 40m | 40m | 40m | 30m |
| OSD Menu | UTC Control | UTC Control | UTC Control | UTC Control |
| Noise Reduction | 2D | 2D | 2D | 2D |
| Frame Rate | 50Hz:720P@25fps 60Hz:720P@30fps | 50Hz:720P@25fps 60Hz:720P@30fps | 50Hz:720P@25fps 60Hz:720P@30fps | 50Hz:720P@25fps 60Hz:720P@30fps |
| Pan/Tilt/Rotation | Pan:360°/Tilt:90°/Rotation:360° | Pan:355°/Tilt:90°/Rotation:355° | Pan:360°/Tilt:90°/Rotation:360° | Pan:355°/Tilt:90°/Rotation:355° |
| Video Output | XVI/AHD/TVI/CVI Switchable | XVI/AHD/TVI/CVI Switchable | XVI/AHD/TVI/CVI Switchable | XVI/AHD/TVI/CVI Switchable |
| Audio In | -- | -- | -- | -- |
| Alarm In/Out | -- | -- | -- | -- |
| Ingression Protection | IP66 | IP66 | IP66 | -- |
| Working Temperature | -20°～+65° | -20°～+65° | -20°～+65° | -20°～+65° |
| Material | ABS plastic +Metal | Metal | Metal | Plastic |
| Power | DC12V±10% | DC12V±10% | DC12V±10% | DC12V±10% |

| | ED | EQ | BM | BC |
|---|---|---|---|---|
| Model | JF-XVI-ED2110-IR2 | JF-XVI-EQ2110-IR2 | JF-XVI-BM2110-IR2 | JF-XVI-BC2110-IR1 |
| Image Sensor | 1/4" 720P  CMOS | 1/4" 720P  CMOS | 1/4" 720P  CMOS | 1/4" 720P  CMOS |
| Min.Illumination | 0.1Lux@F1.2(Color)<br>0.01Lux@F1.2(B/W) | 0.1Lux@F1.2(Color)<br>0.01Lux@F1.2(B/W) | 0.1Lux@F1.2(Color)<br>0.01Lux@F1.2(B/W) | 0.1Lux@F1.2(Color)<br>0.01Lux@F1.2(B/W) |
| Lens | 3.6mm(2.8mm,6mm optional) | 3.6mm(2.8mm,6mm optional) | 3.6mm(2.8mm,6mm optional) | 3.6mm(2.8mm,6mm optional) |
| Day/Night | IR-CUT | IR-CUT | IR-CUT | IR-CUT |
| WDR | DWDR | DWDR | DWDR | DWDR |
| Max.IR Distance | 30m | 30m | 30m | 20m |
| OSD Menu | UTC Control | UTC Control | UTC Control | UTC Control |
| Noise Reduction | 2D | 2D | 2D | 2D |
| Frame Rate | 50Hz:720P@25fps<br>60Hz:720P@30fps | 50Hz:720P@25fps<br>60Hz:720P@30fps | 50Hz:720P@25fps<br>60Hz:720P@30fps | 50Hz:720P@25fps<br>60Hz:720P@30fps |
| Pan/Tilt/Rotation | Pan:360°/Tilt:90°/Rotation:360° | Pan:360°/Tilt:90°/Rotation:360° | Pan:355°/Tilt:90°/Rotation:355° | Pan:355°/Tilt:90°/Rotation:355° |
| Video Output | XVI/AHD/TVI/CVI Switchable | XVI/AHD/TVI/CVI Switchable | XVI/AHD/TVI/CVI Switchable | XVI/AHD/TVI/CVI Switchable |
| Audio In | -- | -- | -- | -- |
| Alarm In/Out | -- | -- | -- | -- |
| Ingression Protection | IP67 | IP67 | IP66,IK10(optional) | IP66,IK10(optional) |
| Working Temperature | -20°～+65° | -20°～+65° | -20°～+65° | -20°～+65° |
| Material | ABS plastic +Metal | Metal | Metal | Metal |
| Power | DC12V±10% | DC12V±10% | DC12V±10% | DC12V±10% |

| | BS | HE | HS |
|---|---|---|---|
| Model | JF-XVI-BS2110-IR2 | JF-XVI-HE2110-IR2 | JF-XVI-HS2110-IR2 |
| Image Sensor | 1/4" 720P  CMOS | 1/4" 720P  CMOS | 1/4" 720P  CMOS |
| Min.Illumination | 0.1Lux@F1.2(Color)<br>0.01Lux@F1.2(B/W) | 0.1Lux@F1.2(Color)<br>0.01Lux@F1.2(B/W) | 0.1Lux@F1.2(Color)<br>0.01Lux@F1.2(B/W) |
| Lens | 3.6mm(2.8mm,6mm optional) | 3.6mm(2.8mm,6mm optional) | 3.6mm(2.8mm,6mm optional) |
| Day/Night | IR-CUT | IR-CUT | IR-CUT |
| WDR | DWDR | DWDR | DWDR |
| Max.IR Distance | 30m | 30m | 30m |
| OSD Menu | UTC Control | UTC Control | UTC Control |
| Noise Reduction | 2D | 2D | 2D |
| Frame Rate | 50Hz:720P@25fps<br>60Hz:720P@30fps | 50Hz:720P@25fps<br>60Hz:720P@30fps | 50Hz:720P@25fps<br>60Hz:720P@30fps |
| Pan/Tilt/Rotation | Pan:355°/Tilt:90°/Rotation:355° | Pan:360°/Tilt:90°/Rotation:360° | Pan:360°/Tilt:90°/Rotation:360° |
| Video Output | XVI/AHD/TVI/CVI Switchable | XVI/AHD/TVI/CVI Switchable | XVI/AHD/TVI/CVI Switchable |
| Audio In | -- | -- | -- |
| Alarm In/Out | -- | -- | -- |
| Ingression Protection | -- | IP67 | -- |
| Working Temperature | -20°～+65° | -20°～+65° | -20°～+65° |
| Material | Plastic | Metal | ABS plastic |
| Power | DC12V±10% | DC12V±10% | DC12V±10% |

# AHD Camera

Cost effective 5MP Lite Series

| | EDB(Manual Focus) | BA(Manual Focus) | HEB(Manual Focus) | BS(Manual Focus) |
|---|---|---|---|---|
| Model | JF-AHC-EDB2350-IR3-VF  | JF-AHC-BA2350-IR3-VF  | JF-AHC-HEB2350-IR3-VF  | JF-AHC-BS2350-IR2-VF  |
| Image Sensor | 1/2.5" 5MP CMOS | 1/2.5" 5MP CMOS | 1/2.5" 5MP CMOS | 1/2.5" 5MP CMOS |
| Min.Illumination | 0.01Lux@F1.2(Color) 0.001Lux@F1.2(B/W) | 0.01Lux@F1.2(Color) 0.001Lux@F1.2(B/W) | 0.01Lux@F1.2(Color) 0.001Lux@F1.2(B/W) | 0.01Lux@F1.2(Color) 0.001Lux@F1.2(B/W) |
| Lens | 2.8~12mm | 2.8~12mm | 2.8~12mm | 2.8~12mm |
| Day/Night | IR-CUT | IR-CUT | IR-CUT | IR-CUT |
| WDR | DWDR | DWDR | DWDR | DWDR |
| Max.IR Distance | 40m | 40m | 40m | 30m |
| OSD Menu | UTC Control | UTC Control | UTC Control | UTC Control |
| Noise Reduction | 2D | 2D | 2D | 2D |
| Frame Rate | 50Hz:5MP@25fps 60Hz:5MP@30fps | 50Hz:5MP@25fps 60Hz:5MP@30fps | 50Hz:5MP@25fps 60Hz:5MP@30fps | 50Hz:5MP@25fps 60Hz:5MP@30fps |
| Pan/Tilt/Rotation | Pan:360°/Tilt:90°/Rotation:360° | Pan:355°/Tilt:90°/Rotation:355° | Pan:360°/Tilt:90°/Rotation:360° | Pan:360°/Tilt:90°/Rotation:360° |
| Video Output | AHD/TVI@5MP AHD/TVI/CVI@4MP | AHD/TVI@5MP AHD/TVI/CVI@4MP | AHD/TVI@5MP AHD/TVI/CVI@4MP | AHD/TVI@5MP AHD/TVI/CVI@4MP |
| Audio In | -- | -- | -- | -- |
| Alarm In/Out | -- | -- | -- | -- |
| Ingression Protection | IP66 | IP66,IK10(optional) | IP66 | -- |
| Working Temperature | -20°～+65° | -20°～+65° | -20°～+65° | -20°～+65° |
| Material | ABS plastic +Metal | Metal | Metal | Plastic |
| Power | DC12V±10% | DC12V±10% | DC12V±10% | DC12V±10% |

# Lite Series -5MP Low Illumination

| | ED | BM | BC |
|---|---|---|---|
| Model | JF-AHC-ED2350-IR2 | JF-AHC-BM2350-IR2 | JF-AHC-BC2350-IR1 |
| Image Sensor | 1/2.5" 5MP CMOS | 1/2.5" 5MP CMOS | 1/2.5" 5MP CMOS |
| Min.Illumination | 0.01Lux@F1.2(Color)<br>0.001Lux@F1.2(B/W) | 0.01Lux@F1.2(Color)<br>0.001Lux@F1.2(B/W) | 0.01Lux@F1.2(Color)<br>0.001Lux@F1.2(B/W) |
| Lens | 3.6mm(6mm optional) | 3.6mm(6mm optional) | 3.6mm(6mm optional) |
| Day/Night | IR-CUT | IR-CUT | IR-CUT |
| WDR | DWDR | DWDR | DWDR |
| Max.IR Distance | 30m | 30m | 20m |
| OSD Menu | UTC Control | UTC Control | UTC Control |
| Noise Reduction | 2D | 2D | 2D |
| Frame Rate | 50Hz:5MP@25fps<br>60Hz:5MP@30fps | 50Hz:5MP@25fps<br>60Hz:5MP@30fps | 50Hz:5MP@25fps<br>60Hz:5MP@30fps |
| Pan/Tilt/Rotation | Pan:360°/Tilt:90°/Rotation:360° | Pan:355°/Tilt:90°/Rotation:355° | Pan:355°/Tilt:90°/Rotation:355° |
| Video Output | AHD/TVI@5MP<br>AHD/TVI/CVI@4MP | AHD/TVI@5MP<br>AHD/TVI/CVI@4MP | AHD/TVI@5MP<br>AHD/TVI/CVI@4MP |
| Audio In | -- | -- | -- |
| Alarm In/Out | -- | -- | -- |
| Ingression Protection | IP67 | IP66,IK10(optional) | IP66,IK10(optional) |
| Working Temperature | -20°～+65° | -20°～+65° | -20°～+65° |
| Material | ABS plastic +Metal | Metal | Metal |
| Power | DC12V±10% | DC12V±10% | DC12V±10% |

# Lite Series -5MP Low Illumination

| | BS | HE | HS |
|---|---|---|---|
| Model | JF-AHC-BS2350-IR2 | JF-AHC-HE2350-IR2 | JF-AHC-HS2350-IR2 |
| Image Sensor | 1/2.5" 5MP CMOS | 1/2.5" 5MP CMOS | 1/2.5" 5MP CMOS |
| Min.Illumination | 0.01Lux@F1.2(Color) 0.001Lux@F1.2(B/W) | 0.01Lux@F1.2(Color) 0.001Lux@F1.2(B/W) | 0.01Lux@F1.2(Color) 0.001Lux@F1.2(B/W) |
| Lens | 3.6mm(6mm optional) | 3.6mm(6mm optional) | 3.6mm(6mm optional) |
| Day/Night | IR-CUT | IR-CUT | IR-CUT |
| WDR | DWDR | DWDR | DWDR |
| Max.IR Distance | 30m | 30m | 30m |
| OSD Menu | UTC Control | UTC Control | UTC Control |
| Noise Reduction | 2D | 2D | 2D |
| Frame Rate | 50Hz:5MP@25fps 60Hz:5MP@30fps | 50Hz:5MP@25fps 60Hz:5MP@30fps | 50Hz:5MP@25fps 60Hz:5MP@30fps |
| Pan/Tilt/Rotation | Pan:355°/Tilt:90°/Rotation:355° | Pan:360°/Tilt:90°/Rotation:360° | Pan:360°/Tilt:90°/Rotation:360° |
| Video Output | AHD/TVI@5MP AHD/TVI/CVI@4MP | AHD/TVI@5MP AHD/TVI/CVI@4MP | AHD/TVI@5MP AHD/TVI/CVI@4MP |
| Audio In | -- | -- | -- |
| Alarm In/Out | -- | -- | -- |
| Ingression Protection | -- | IP67 | -- |
| Working Temperature | -20°～+65° | -20°～+65° | -20°～+65° |
| Material | Plastic | Metal | ABS plastic |
| Power | DC12V±10% | DC12V±10% | DC12V±10% |

# Video Recorder Technical Features

## 1080N

Latest format 1080N(Resolution:960*1080), connect with 1080P front-end, cost-effective with high performance solution.

## AHD/TVI/CVI/CVBS/IP  Five in one

Five in one video recorder, support AHD/TVI/CVI/CVBS/Network five signal connecting, to meet different CCTV requirements.

## H.264+

Compare with traditional H.264, H.264+ encoding technology greatly lower the video bitrate to save implementation cost.

## Onvif

Onvif standard define the general protocol for the information exchange of network video device, including device search/real time video/audio/metadata and control information etc.

# 720P Series

Support XVI/AHD/TVI/CVI/CVBS/IP Self-adaptive

Up to 1080N/720P Encoding

Support Multi-Language

| Model | | 1 HDD | | | | |
|---|---|---|---|---|---|---|
| | | JF-ADVR-R7104-V2 | JF-ADVR-R7108 | JF-ADVR-T7104 | JF-ADVR-T7108 | JF-ADVR-T7116 |
| Encode | | 4*1080N@12fps | 8*1080N@12fps | 4*1080N@25fps | 8*1080N@12fps | 16*1080N@12fps |
| Playback | | 1*1080N@12fps | 8*1080N@12fps | 1*1080N@25fps | 8*1080N@12fps | 16*1080N@12fps |
| Multi-Mode | Analog | 4*1080N | 8*1080N | 4*1080N | 8*1080N | 16*1080N |
| | Hybrid | 2*720P(Analog)+2*720P(IP) | 4*1080N(Analog)+4*960P(IP) | 2*720P(Analog)+2*720P(IP) | 4*1080N(Analog)+4*960P(IP) | 8*1080N（Analog）+8*960P（IP） |
| | IP | 4*1080P/8*720P/8*960P | 16*1080P/9*1080P/16*960P/4*5M | 8*1080P/8*720P | 16*1080P/9*1080P/16*960P/4*5M | 8*1080P+8*960P/16*960P/4*3M/4*5M |
| Video Compression | | H.264 | | H.264 | | |
| Audio Compression | | G.711A | | G.711A | | |
| Video input | | 4*BNC | 8*BNC | 4*BNC | 8*BNC | 16*BNC |
| Video output | | 1*VGA,1*HDMI | | 1*VGA,1*HDMI | | |
| Audio In/Out | | 1/1 | | 4/1 | | 2/1 |
| Alarm In/Out | | -- | | -- | | |
| Ethernet | | 1*10/100Mbps Ethernet port, RJ45 port | | 1*10/100Mbps Ethernet port, RJ45 port | | |
| PTZ Control | | -- | | 1*RS485, Support for multiple PTZ protocol | | |
| USB | | 2*USB2.0 | | 2*USB2.0 | | |
| Max HDD | | 1×8TB | | 1×8TB | | |
| Temperature | | 0 ℃ - + 55 ℃ | | 0 ℃ - + 55 ℃ | | |
| Intelligent Video | | -- | | -- | | |
| Power | | 12V/2A | | 12V/2A | | |
| Consumption | | <15W(Without HDD) | | <15W(Without HDD) | | |
| Dimension | | 210mm(L)*200mm(W)*49mm(H) | | 255(L)* 236mm(W)* 44mm(H) | | |

| | | 2 HDD | | | 4 HDD | | 8 HDD |
|---|---|---|---|---|---|---|---|
| **Model** | | JF-ADVR-B7104 | JF-ADVR-B7108 | JF-ADVR-B7116 | JF-ADVR-F7116-V2 | JF-ADVR-F7132 | JF-ADVR-K7132 |
| | |  | | |  | |  |
| **Encode** | | 4*1080N@25fps | 8*1080N@12fps | 16*1080N@12fps | 16*1080N@12fps | 32*1080N@12fps | 32*1080N@12fps |
| **Playback** | | 1*1080N@25fps | 8*1080N@12fps | 16*1080N@12fps | 16*1080N@12fps | 8*1080N@12fps | 8*1080N@12fps |
| **Multi-Mode** | Analog | 4*1080N | 8*1080N | 16*1080N | 16*1080N | 32*1080N | 32*1080N |
| | Hybrid | 2*720P(Analog)+2*720P(IP) | 4*1080N(Analog)+4*960P(IP) | 8*1080N（Analog）+8*960P（IP） | 8*1080N(Analog)+8*960P(IP) | | 8*1080N（Analog）+8*960P（IP） |
| | IP | 8*1080P/8*720P | 16*1080P/9*1080P/16*960P/4*5M | 8*1080P+8*960P/16*960P/4*3M/4*5M | 8*1080P+8*960P/16*960P/4*3M/4*5M | 32*1080P/16*3M/8*5M | 32*1080P/16*3M/8*5M |
| **Video Compression** | | H.264 | | | H.264 | | H.264 |
| **Audio Compression** | | G.711A | | | G.711A | | G.711A |
| **Video input** | | 4*BNC | 8*BNC | 16*BNC | 16*BNC | 32*BNC | 32*BNC |
| **Video output** | | 1*VGA,1*HDMI | | | 1*VGA,1*HDMI | | 1*VGA,1*HDMI |
| **Audio In/Out** | | 4/1 | 8/1 | 6/1 | 16/1 | | 16/1 |
| **Alarm In/Out** | | 4/1 | | | 16/4 | | 16/4 |
| **Ethernet** | | 1*10/100Mbps Ethernet port, RJ45 port | | | 1*10/100M/1000Mbps Ethernet port, RJ45 port | | 1*10/100M/1000Mbps Ethernet port, RJ45 port |
| **PTZ Control** | | 1*RS485, Support for multiple PTZ protocol | | | 1*RS485, 1*RS232,Support for multiple PTZ protocol | | 1*RS485, 1*RS232,Support for multiple PTZ protocol |
| **USB** | | 2*USB2.0 | | | 3*USB2.0* | 2*USB2.0 | 2*USB2.0 |
| **Max HDD** | | 2×8TB | | | 4×8TB | | 8×8TB |
| **Temperature** | | 0℃-+55℃ | | | 0℃-+55℃ | | 0℃-+55℃ |
| **Intelligent Video** | | -- | | | -- | | -- |
| **Power** | | 12V/4A | | | 12V/6A | | AC100V-240V(MINI ATX power adapter inside) |
| **Consumption** | | <15W(Without HDD) | | | <15W(Without HDD) | | <15W(Without HDD) |
| **Dimension** | | 310mm(L)* 298mm(W)* 60mm(H) | | | 440mm(L)* 400.5mm(W)* 60mm(H) | | 443mm(L)*427.5mm(W)*92mm(H) |

*Only two USB ports are available at the same time.

# 1080P Series

Support XVI/AHD/TVI/CVI/CVBS/IP Self-adaptive

Up to 1080P Encoding

Support Multi-Language

F/K Series Support intelligent function

| Model | | 1 HDD | | | | |
|---|---|---|---|---|---|---|
| | | JF-ADVR-R7204 | JF-ADVR-R7208 | JF-ADVR-T7204 | JF-ADVR-T7208 | JF-ADVR-T7216 |
| Encode | | 4*1080P@15fps | 8*1080P@12fps | 4*1080P@15fps | 8*1080P @12fps | 16*1080P@12fps |
| Playback | | 4*1080P@15fps | 4*1080P@12fps | 4*1080P@15fps | 4*1080P@12fps | 16*1080P@12fps |
| Multi-Mode | Analog | 4*1080P | 8*1080P | 4*1080P | 8*1080P/ 8*1080N | 16*1080P/16*1080N |
| | Hybrid | 2*1080P(Analog)+2*1080P(IP) 4*1080N(Analog)+4*960P(IP) | 4*1080P(Analog)+4*1080P(IP) | 4*1080N(Analog)+4*960P(IP) | 4*1080P(Analog)+4*1080P(IP) | 8*1080P(Analog)+8*1080P(IP) |
| | IP | 16*1080P/9*1080P/16*960P/4*5M | 8*1080P+8*960P/ 4*3M/4*5M | 16*1080P/ 9*1080P/16*960P/4*5M | 8*1080P+8*960P/16*960P/4*3M /4*5M | 8*1080P+8*960P/8*3M /4*5M |
| Video Compression | | H.264 | | H.264 | | |
| Audio Compression | | G.711A | | G.711A | | |
| Video input | | 4*BNC | 8*BNC | 4*BNC | 8*BNC | 16*BNC |
| Video output | | 1*VGA,1*HDMI | | 1*VGA,1*HDMI | | |
| Audio In/Out | | 1/1 | | 4/1 | | 2/1 |
| Alarm In/Out | | -- | | -- | | |
| Ethernet | | 1*10/100Mbps Ethernet port, RJ45 port | | 1*10/100Mbps Ethernet port, RJ45 port | | |
| PTZ Control | | -- | | 1*RS485, Support for multiple PTZ protocol | | |
| USB | | 2*USB2.0 | | 2*USB2.0 | | |
| Max HDD | | 1×8TB | | 1×8TB | | |
| Temperature | | 0 ℃ - + 55 ℃ | | 0 ℃ - + 55 ℃ | | |
| Intelligent Video | | -- | | -- | | |
| Power | | 12V/2A | | 12V/2A | | |
| Consumption | | <15W(Without HDD） | | <15W(Without HDD） | | |
| Dimension | | 210mm(L)*200mm(W)*49mm(H) | | 255(L)* 236mm(W)* 44mm(H) | | |

| Model | | 2 HDD | | |
|---|---|---|---|---|
| | | JF-ADVR-B7204 | JF-ADVR-B7208 | JF-ADVR-B7216 |
| | |  | | |
| Encode | | 4*1080P@15fps | 8*1080P @12fps | 16*1080P@12fps |
| Playback | | 4*1080P@15fps | 4*1080P@12fps | 16*1080P@12fps |
| Multi-Mode | Analog | 4*1080P | 8*1080P/8*1080N | 16*1080P/16*1080N |
| | Hybrid | 4*1080N(Analog)+4*960P(IP) | 4*1080P(Analog)+4*1080P(IP) | 8*1080P(Analog)+8*1080P(IP) |
| | IP | 16*1080P/9*1080P/16*960P/4*5M | 8*1080P+8*960P/16*960P/4*3M /4*5M | 8*1080P+8*960P/8*3M/4*5M |
| Video Compression | | H.264 | | |
| Audio Compression | | G.711A | | |
| Video input | | 4*BNC | 8*BNC | 16*BNC |
| Video output | | 1*HDMI,1*VGA | | |
| Audio In/Out | | 4/1 | 8/1 | 6/1 |
| Alarm In/Out | | 4/1 | | |
| Ethernet | | 1*10/100Mbps Ethernet port, RJ45 port | | |
| PTZ Control | | 1*RS485, Support for multiple PTZ protocol | | |
| USB | | 2*USB2.0 | | |
| Max HDD | | 2×8TB | | |
| Temperature | | 0 ℃ - + 55 ℃ | | |
| Intelligent Video | | -- | | |
| Power | | 12V/4A | | |
| Consumption | | <15W(Without HDD） | | |
| Dimension | | 310mm(L)* 298mm(W)* 60mm(H) | | |

| Model | 4 HDD | | 8 HDD | |
|---|---|---|---|---|
| | JF-ADVR-F7216 -V2 | JF-ADVR-F7232 | JF-ADVR-K7216 | JF-ADVR-K7232 |
| Model | | | | |
| Encode | 16*1080P@12fps | 32*1080P@15fps | 16*1080P@12fps | 32*1080P@15fps |
| Playback | 16*1080P@12fps | 16*1080P@15fps | 16*1080P@12fps | 16*1080P@15fps |
| Multi-Mode — Analog | 16*1080P/16*1080N | 32*1080P | 16*1080P | 32*1080P |
| Multi-Mode — Hybrid | 8*1080P(Analog)+8*1080P(IP) | | 8*1080P(Analog)+8*1080P(IP) | |
| Multi-Mode — IP | 8*1080P+8*960P/8*3M/4*5M | 32*1080P/16*3M/8*5M | 32*1080P/16*3M/8*5M | |
| Video Compression | H.264/H.264+ | | H.264/H.264+ | |
| Audio Compression | G.711A | | G.711A | |
| Video input | 16*BNC | 32*BNC | 16*BNC | 32*BNC |
| Video output | 1*HDMI,1*VGA | | 1*HDMI,1*VGA | |
| Audio In/Out | 16/1 | | 16/1 | |
| Alarm In/Out | 16/4 | | 16/4 | |
| Ethernet | 1*10/100Mbps Ethernet port, RJ45 port | 1*10/100M/1000Mbps Ethernet port, RJ45 port | 1*10/100M/1000Mbps Ethernet port, RJ45 port | |
| PTZ Control | 1*RS485, Support for multiple PTZ protocol | 1*RS485,1*RS232，Support for multiple PTZ protocol | 1*RS485,1*RS232，Support for multiple PTZ protocol | |
| USB | 3*USB2.0* | 2*USB2.0 | 2*USB2.0 | |
| Max HDD | 4×8TB | | 8×8TB | |
| Temperature | 0℃-+55℃ | | 0℃-+55℃ | |
| Intelligent Video | Perimeter alert：Tripwire、Intrusion<br>Items care：Abandoned、Missing Object/Video Diagnosis: Scene change detection | | Perimeter alert：Tripwire、Intrusion<br>Items care：Abandoned、Missing Object/Video Diagnosis: Scene change detection | |
| Power | 12V/6A | | AC100V-240V(MINI ATX power adapter inside) | |
| Consumption | <15W(Without HDD） | | <15W(Without HDD） | |
| Dimension | 440mm(L)* 400.5mm(W)* 60mm(H) | | 443mm(L)*427.5mm(W)*92mm(H) | |

*Only two USB ports are available at the same time.

# 4MP/5MP Lite Series

Support XVI/AHD/TVI/CVI/CVBS/IP Self-adaptive

Up to 5MP@11fps,4MP@15fps

Support Multi-Language

Support intelligent function

# 4MP/5MP Lite Series

| | | 1HDD | | 2HDD | | |
|---|---|---|---|---|---|---|
| Model | | JF-ADVR-T7404L | JF-ADVR-T7408L | JF-ADVR-B7404L | JF-ADVR-B7408L | JF-ADVR-E7416L |
| Encode | | 4*5M@11fps | 8*5M@11fps | 4*5M@11fps | 8*5M@11fps | 16*5M@11fps |
| Playback | | 4*5M@11fps | 8*5M@11fps | 4*5M@11fps | 8*5M@11fps | 8*5M@11fps |
| Multi-Mode | Analog | 4*5M | 8*5M | 4*5M | 8*5M | 16*5M |
| | Hybrid | 2*5M(Analog)+2*5M(IP) | 4*5M(Analog)+4*5M(IP) | 2*5M(Analog)+2*5M(IP) | 4*5M(Analog)+4*5M(IP) | 4*5M(Analog)+4*5M(IP) |
| | IP | 8*1080P+8*960P/4*3M/4*5M | 8*3M/4*5M | 8*1080P+8*960P/4*3M/4*5M | 8*3M/4*5M | 32*1080P/16*3M/8*5M |
| Video Compression | | H.264/H.264+ | | H.264/H.264+ | | |
| Audio Compression | | G.711A | | G.711A | | |
| Video input | | 4*BNC | 8*BNC | 4*BNC | 8*BNC | 16*BNC |
| Video output | | 1*VGA,1*HDMI | | 1*VGA,1*HDMI | | |
| Audio In/Out | | 4/1 | | 4/1 | 8/1 | 16/1 |
| Alarm In/Out | | -- | | 4/1 | 4/1 | 16/4 |
| Ethernet | | 1*10/100Mbps Ethernet port, RJ45 port | | 1*10/100Mbps Ethernet port, RJ45 port | | 1*10/100M/1000Mbps Ethernet port, RJ45 port |
| PTZ Control | | 1*RS485, Support for multiple PTZ protocol | | 1*RS485, Support for multiple PTZ protocol | | 1*RS485, 1*RS232,Support for multiple PTZ protocol |
| USB | | 2*USB2.0 | | 2*USB2.0 | | |
| Max HDD | | 1×8TB | | 2×8TB | | |
| Temperature | | 0℃-+55℃ | | 0℃-+55℃ | | |
| Intelligent Video | | Perimeter alert：Tripwire、Intrusion Items care：Abandoned、Missing Object/Video Diagnosis: Scene change detection | | Perimeter alert：Tripwire、Intrusion Items care：Abandoned、Missing Object/Video Diagnosis: Scene change detection | | |
| Power | | 12V/2A | | 12V/4A | | |
| Consumption | | <15W(Without HDD) | | <15W(Without HDD) | | |
| Dimension | | 255(L)* 236mm(W)* 44mm(H) | | 310mm(L)* 298mm(W)* 60mm(H) | | 440mm(L)*290mm(W)*50mm(H) |

| | | 4HDD | 8HDD |
|---|---|---|---|
| Model | | JF-ADVR-F7416L | JF-ADVR-K7416L |
| Encode | | 16*5M@11fps | 16*5M@11fps |
| Playback | | 8*5M@11fps | 8*5M@11fps |
| Multi-Mode | Analog | 16*5M | 16*5M |
| | Hybrid | 4*5M(Analog)+4*5M(IP) | 4*5M(Analog)+4*5M(IP) |
| | IP | 32*1080P/16*3M/8*5M | 32*1080P/16*3M/8*5M |
| Video Compression | | H.264/H.264+ | H.264/H.264+ |
| Audio Compression | | G.711A | G.711A |
| Video input | | 16*BNC | 16*BNC |
| Video output | | 1*VGA,1*HDMI | 1*VGA,1*HDMI |
| Audio In/Out | | 16/1 | 16/1 |
| Alarm In/Out | | 16/4 | 16/4 |
| Ethernet | | 1*10/100M/1000Mbps Ethernet port, RJ45 port | 1*10/100M/1000Mbps Ethernet port, RJ45 port |
| PTZ Control | | 1*RS485, 1*RS232,Support for multiple PTZ protocol | 1*RS485, 1*RS232,Support for multiple PTZ protocol |
| USB | | 2*USB2.0 | 2*USB2.0 |
| Max HDD | | 4×8TB | 8×8TB |
| Temperature | | 0 ℃ - + 55 ℃ | 0 ℃ - + 55 ℃ |
| Intelligent Video | | Perimeter alert：Tripwire、Intrusion<br>Items care：Abandoned、Missing Object/Video Diagnosis: Scene change detection | Perimeter alert：Tripwire、Intrusion<br>Items care：Abandoned、Missing Object/Video Diagnosis: Scene change detection |
| Power | | 12V/6A | AC100V-240V(MINI ATX power adapter inside) |
| Consumption | | <15W(Without HDD） | <15W(Without HDD） |
| Dimension | | 440mm(L)* 400.5mm(W)* 60mm(H) | 443mm(L)*427.5mm(W)*92mm(H) |

# 4MP/5MP Series

Support XVI/AHD/TVI/CVI/CVBS/IP Self-adaptive

Up to 5MP@18fps,4MP@25fps

Support Multi-Language

Support intelligent function

| Model | | 1HDD | 2HDD | |
|---|---|---|---|---|
| | | JF-ADVR-T7404 | JF-ADVR-B7404 | JF-ADVR-E7408 |
| Encode | | 4CH*5MP@18fps | 4CH*5MP@18fps | 8CH*5MP@18fps |
| Playback | | 4CH*5MP@18fps | 4CH*5MP@18fps | 4CH*5MP@18fps |
| Multi-Mode | Analog | 4*5M | 4*5M | 8*5M |
| | Hybrid | 4*5M(Analog)+4*5M(IP) | 4*5M(Analog)+4*5M(IP) | 4*5M(Analog)+4*5M(IP) |
| | IP | 8*3M/4*5M | 8*3M/4*5M | 32*1080P/16*3M/8*5M |
| Video Compression | | H.264/H.264+ | H.264/H.264+ | |
| Audio Compression | | G.711A | G.711A | |
| Video input | | 4*BNC | 4*BNC | 8*BNC |
| Video output | | 1*VGA,1*HDMI | 1*VGA,1*HDMI | |
| Audio In/Out | | 4/1 | 4/1 | 8/1 |
| Alarm In/Out | | -- | 4/1 | 8/1 |
| Ethernet | | 1*10/100Mbps Ethernet port, RJ45 port | 1*10/100Mbps Ethernet port, RJ45 port | 1*10/100M/1000Mbps Ethernet port, RJ45 port |
| PTZ Control | | 1*RS485, Support for multiple PTZ protocol | 1*RS485, Support for multiple PTZ protocol | 1*RS485, 1*RS232,Support for multiple PTZ protocol |
| USB | | 2*USB2.0 | 2*USB2.0 | |
| Max HDD | | 1×8TB | 2×8TB | |
| Temperature | | 0 ℃ - + 55 ℃ | 0 ℃ - + 55 ℃ | |
| Intelligent Video | | Tripwire(Cordon)、 Intrusion(Warning Area)、 SceneChange、 Abandoned(Items standed)/Missing Object(Items stolen shift) | Tripwire(Cordon)、 Intrusion(Warning Area)、 SceneChange、 Abandoned(Items standed)/Missing Object(Items stolen shift) | |
| Power | | 12V/2A | 12V/4A | |
| Consumption | | <15W(Without HDD) | <15W(Without HDD) | |
| Dimension | | 255(L)* 236mm(W)* 44mm(H) | 310mm(L)* 298mm(W)* 60mm(H) | 440mm(L)*290mm(W)*50mm(H) |

| | | 4HDD | 8HDD |
|---|---|---|---|
| Model | | JF-ADVR-F7408 | JF-ADVR-K7408 |
| Encode | | 8CH*5MP@18fps | 8CH*5MP@18fps |
| Playback | | 4CH*5MP@18fps | 4CH*5MP@18fps |
| Multi-Mode | Analog | 8*5M | 8*5M |
| | Hybrid | 4*5M(Analog)+4*5M(IP) | 4*5M(Analog)+4*5M(IP) |
| | IP | 32*1080P/16*3M/8*5M | 32*1080P/16*3M/8*5M |
| Video Compression | | H.264/H.264+ | H.264/H.264+ |
| Audio Compression | | G.711A | G.711A |
| Video input | | 8*BNC | 8*BNC |
| Video output | | 1*VGA,1*HDMI | 1*VGA,1*HDMI |
| Audio In/Out | | 8/1 | 8/1 |
| Alarm In/Out | | 16/4 | 16/4 |
| Ethernet | | 1*10/100M/1000Mbps Ethernet port, RJ45 port | 1*10/100M/1000Mbps Ethernet port, RJ45 port |
| PTZ Control | | 1*RS485, 1*RS232,Support for multiple PTZ protocol | 1*RS485, 1*RS232,Support for multiple PTZ protocol |
| USB | | 2*USB2.0 | 2*USB2.0 |
| Max HDD | | 4×8TB | 8×8TB |
| Temperature | | 0 ℃ - + 55 ℃ | 0 ℃ - + 55 ℃ |
| Intelligent Video | | Tripwire(Cordon)、Intrusion(Warning Area)、SceneChange、Abandoned(Items standed)/Missing Object(Items stolen shift) | Tripwire(Cordon)、Intrusion(Warning Area)、SceneChange、Abandoned(Items standed)/Missing Object(Items stolen shift) |
| Power | | 12V/6A | AC100V-240V(MINI ATX power adapter inside) |
| Consumption | | <15W(Without HDD) | <15W(Without HDD) |
| Dimension | | 440mm(L)* 400.5mm(W)* 60mm(H) | 443mm(L)*427.5mm(W)*92mm(H) |

# AHD PTZ Camera Series

18X/30X Optical Zoom

3D Noise Reduction

Up to 120M IR Distance

# AHD PTZ Camera Series

| Model | 720P | | 1080P | | |
|---|---|---|---|---|---|
| | JF-SD-FA5310M-X18R | JF-SD-FA6310T-X18R | JF-SD-FA5320M-X18R | JF-SD-FA6320T-X18R | JF-SD-FA6320T-X30R |
| |  |  |  |  |  |
| Image Sensor | 1/3'' 1.3MP CMOS | 1/3'' 1.3MP CMOS | 1/2.9" 1080P Exmor CMOS | 1/2.9" 1080P Exmor CMOS | 1/2.9" 1080P Exmor CMOS |
| Size | 5" | 6" | 5" | 6" | 6" |
| Frame Rate | 25/30 | 25/30 | 25/30 | 25/30 | 25/30 |
| Lens | 4.7~84.6mm (18x Optical zoom) | 4.7~84.6mm (18x Optical zoom) | 4.7~84.6mm (18x Optical zoom) | 4.7~84.6mm (18x Optical zoom) | 4.3mm~129mm (30x Optical zoom) |
| Day/Night | IR-CUT | IR-CUT | IR-CUT | IR-CUT | IR-CUT |
| Max.IR Distance | 120m | 120m | 120m | 120m | 120m |
| OSD Menu | En | En | En | En | En |
| Control | UTC/RS485 | UTC/RS485 | UTC/RS485 | UTC/RS485 | UTC/RS485 |
| Noise Reduction | 3D | 3D | 3D | 3D | 3D |
| Video Output | AHD | AHD | AHD | AHD | AHD |
| Audio In | -- | -- | -- | -- | -- |
| Alarm In/Out | -- | -- | -- | -- | -- |
| Pan/Tilt | Pan:0°~360°endless;Tilt:-10°~90° | Pan:0°~360°endless;Tilt:-10°~90° | Pan:0°~360°endless;Tilt:-10°~90° | Pan:0°~360°endless;Tilt:-10°~90° | Pan:0°~360°endless;Tilt:-10°~90° |
| Ingression Protection | IP66 | IP66 | IP66 | IP66 | IP66 |
| Working Temperature | -20°～+65° | -20°～+65° | -20°～+65° | -20°～+65° | -20°～+65° |
| Power | AC24V | AC24V | AC24V | AC24V | AC24V |

| | Model | Adaptation Housing | | | | |
|---|---|---|---|---|---|---|
| **Bracket** | PA-BR-W1 | BA Series | BMB Series | HEB Series | | |
| |  |  |  |  | | |
| | PA-BR-W2 | BM Series | BC Series | BS Series | HE Series | HS Series | HP Series |
| |  |  |  |  |  |  |  |
| **Junction box** | PA-BO-C1 | BA Series | BMB Series | BM Series | BC Series | BS Series | HP Series |
| |  |  |  |  |  |  |  |
| | PA-BO-S1 | EDB Series | ED Series | EQ Series | | |
| |  |  |  |  | | |

# Software

## Mobile Phone Access

Mobile Phone Access
Device remote access through JFeye mobile client.
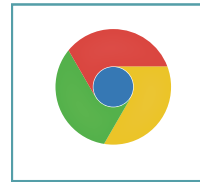
ios

Android
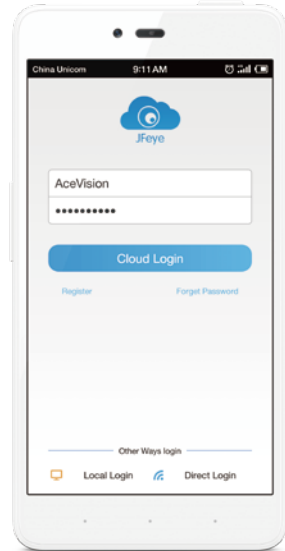
## Web Access

Google Chrome、Safari、Firefox、IE7……Support current main browsers.

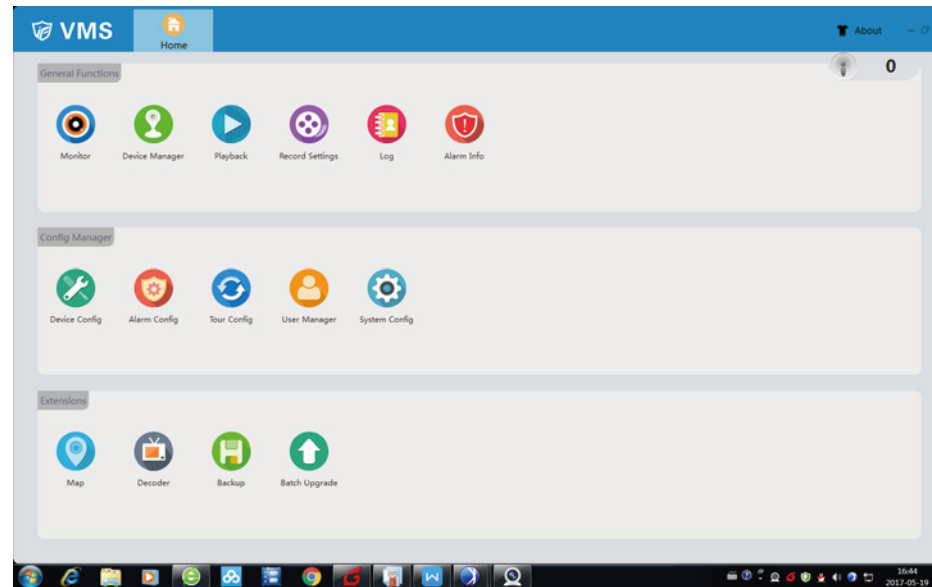Google Chrome

Safari

Firefox

IE browser

# Software

### VMS Client Access

Network integrate management platform VMS support device centralized management, remote access, support alarm/video setup, PTZ control etc.

# Software



**Cloud Platform**

A key to achieve remote access through proprietary cloud platform, no complicated network setup.

## HANGZHOU JUFENG TECHNOLOGY CO.,LTD.

Business Email：sales@jftech.com

**Hangzhou(Head office)**

Post code:311422
Telephone:+86-571-23271188
Address:Building No.9,Yinhu
Innovation Center,Hangzhou

**Shenzhen(Branch)**

Post code:518129
Telephone:+86-755-32898088
Address:7th Floor,Building
A ChuangxingTimes Apartment,
Bantian Street,Longgang
District,Shenzhen

**JF TECH**

Design and specifications are subject to change without notice