

- [Manuals.plus](#) /
- › [ZOSI](#) /
 - › ZOSI 16-Channel 1080p Security Camera System (Model 16FK-419B8S-20-US) Instruction Manual

ZOSI 16FK-419B8S-20-US

ZOSI 16-Channel 1080p Security Camera System Instruction Manual

Model: 16FK-419B8S-20-US | Brand: ZOSI

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ZOSI 16-Channel 1080p Security Camera System. This system features a 2MP H.265+ Hybrid 16CH DVR, 8 x 1080p CCTV dome cameras with 80ft night vision and 90° view angle, AI human and vehicle detection, and remote access capabilities. Please read this manual thoroughly before use to ensure proper setup and functionality.

PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact ZOSI customer support.

Package Contents



x1

16-Channel DVR



x8

Camera



x8

BNC Cable



x2

1 To 4 Power Splitter



x1

Ethernet Cable



x3

Power Supply



x1

USB Mouse



x8

Mounting Screw Bag



x8

Mounting Template



x8

Warning Sticker



x1

Quick Start Guide

Image: Package Contents Overview

- 1 x 16-Channel DVR (with 2TB HDD pre-installed)
- 8 x 1080p Dome Cameras
- 8 x 60ft BNC+DC CCTV Cables
- 2 x 1-to-4 Power Splitter Cables
- 3 x Power Adapters (for DVR and cameras)
- 1 x USB Mouse
- 1 x Ethernet Cable

- 8 x Mounting Screw Bags
- 8 x Mounting Templates
- 8 x Warning Stickers
- 1 x Quick Start Guide

SETUP

1. System Connection Diagram

Follow the diagram below to connect your DVR and cameras. Ensure all connections are secure before powering on the system.

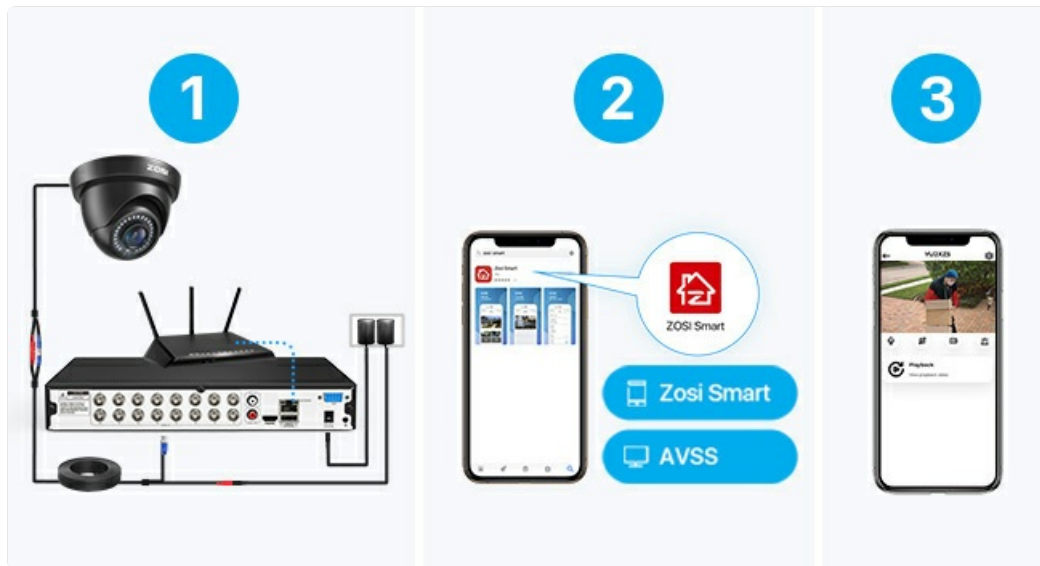


Image: System Connection Diagram

1. Connect the cameras to the DVR using the provided BNC+DC CCTV cables.
2. Connect the power adapters to the cameras via the 1-to-4 power splitter cables.
3. Connect the DVR to a monitor using an HDMI or VGA cable.
4. Connect the USB mouse to the DVR for navigation.
5. For remote access, connect the DVR to your router using the Ethernet cable.
6. Plug in the power adapter for the DVR and cameras to power on the system.

2. Camera Installation

The dome cameras are IP66 weatherproof and designed for both indoor and outdoor use. Choose suitable locations that provide optimal viewing angles and are within cable reach of the DVR and power source.

Durable Metallic Housing Design

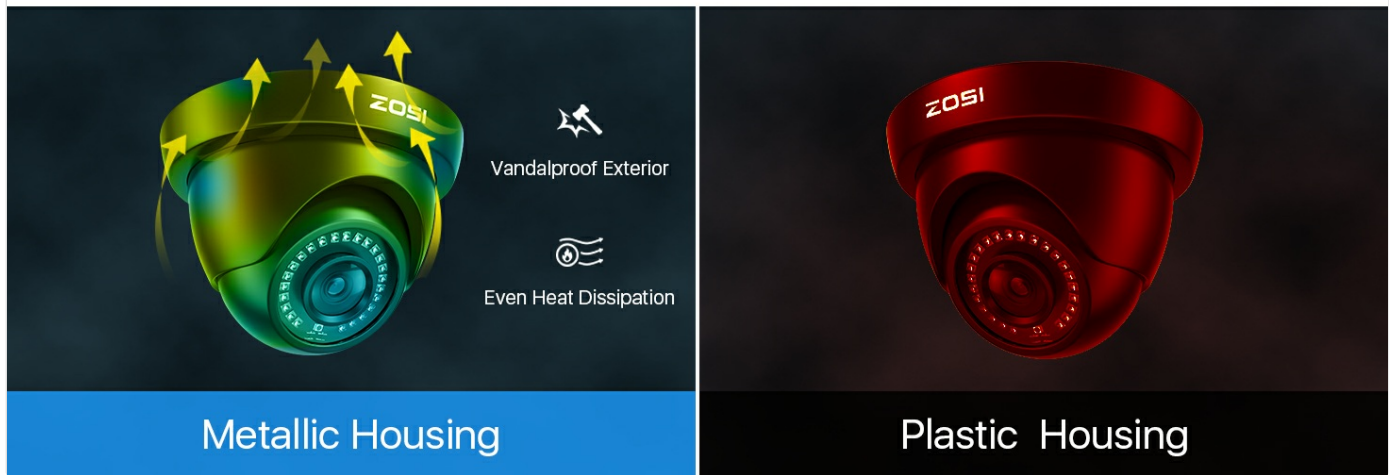


Image: Durable Metallic Housing Design



Image: Versatile Mounting Options

- Use the mounting templates to mark drill holes.
- Securely mount the cameras using the provided screws.
- Adjust the camera angle to cover the desired surveillance area. The cameras offer a 90° viewing angle.
- Ensure cameras are protected from direct heavy rain or snow if possible, despite their weatherproof rating.

OPERATING INSTRUCTIONS

1. Initial Setup and DVR Interface

Upon first power-on, the DVR will guide you through an initial setup wizard. Follow the on-screen prompts to set language, time zone, and create a password. Use the USB mouse to navigate the DVR interface.



Image: DVR and Camera Port Overview

2. Video Monitoring and Quality

The system provides 1080p Full HD video quality during the day and clear black and white night vision up to 80ft using IR LEDs.

Go Full HD in Day & Night

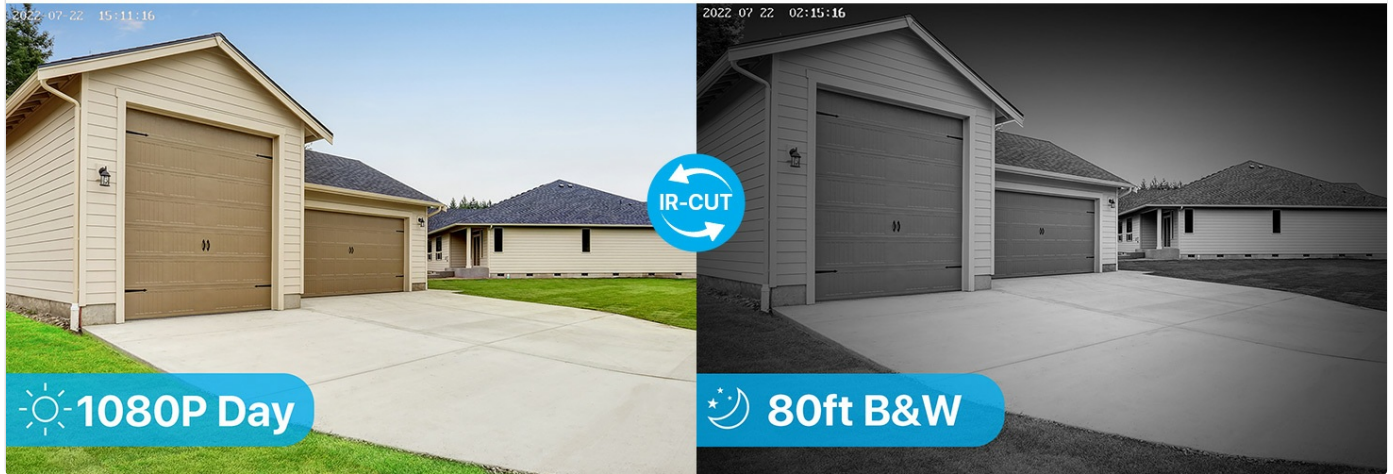


Image: Day and Night Vision Comparison

3. Recording Modes and Storage

Your DVR comes with a pre-installed 2TB security-grade hard drive. The system supports various recording modes:

- **Continuous Recording:** Records 24/7.
- **Scheduled Recording:** Records during specified time periods.
- **Motion Detection Recording:** Records only when motion is detected.
- **Recycle Record:** Overwrites oldest footage when the HDD is full.

Round-the-Clock Protection for Your Property

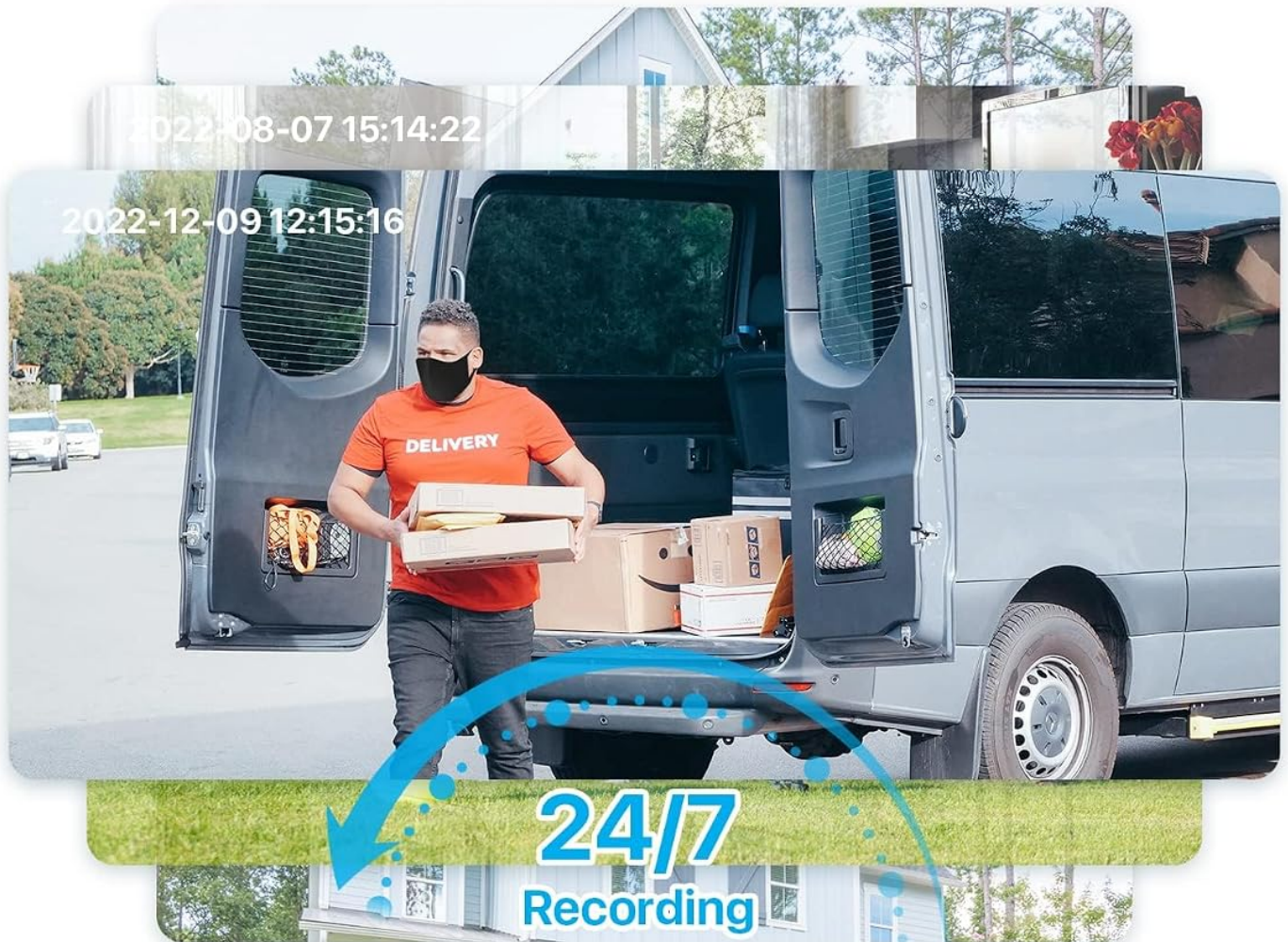


Image: 24/7 Recording and DVR Features



Image: Versatile Recording Modes

The system utilizes H.265+ video compression, which significantly reduces storage space requirements (up to 80% compared to H.264) while maintaining video quality.

Cutting-Edge H.265+ Video Compression



Enhanced Viewing



Faster Downloads



Reduced Storage



H.265+



H.264

Storage Space

50%

Storage Space

100%

Bandwidth Resources

50%

Bandwidth Resources

100%

Loading Speed

100%

Loading Speed

50%

Image: H.265+ Video Compression Benefits

4. AI Human and Vehicle Detection

The advanced AI motion detection can distinguish between people and vehicles, minimizing false alarms from environmental factors. You can set custom detection zones for each camera.

AI Human & Vehicle Detection



ZOSI Smart
Someone Show UP

09:49



Image: AI Human & Vehicle Detection



Image: Customized Detection Zone Setup

5. Remote Access and Playback

Access your security system remotely via the free ZOSI Smart app on mobile devices or ZOSI Client software on PC/tablet. You can view live feeds, playback recorded footage, and receive instant alerts.

Connect & Care From Anytime, Anywhere



 Zosi Smart

 AVSS



Image: Remote Access via ZOSI Smart App and Client Software



MAINTENANCE

- **Regular Cleaning:** Periodically clean camera lenses with a soft, damp cloth to ensure clear image quality. Avoid abrasive cleaners.
- **Cable Inspection:** Check all cables for wear, damage, or loose connections, especially those exposed to outdoor elements.
- **Software Updates:** Regularly check for firmware updates for your DVR and camera system through the ZOSI app or website to ensure optimal performance and security.
- **Hard Drive Health:** Monitor the health of your 2TB HDD through the DVR's system settings. Back up important footage periodically.
- **Environmental Protection:** While cameras are weatherproof (IP66), extreme weather conditions can still affect performance. Ensure proper mounting and consider additional shielding if necessary.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No video display on monitor	Loose cable connection, incorrect input source, power issue.	Check HDMI/VGA cable connections. Ensure monitor is on correct input. Verify DVR and monitor are powered on.
Camera not showing image	No power to camera, loose BNC cable, damaged cable.	Check camera power adapter and BNC cable connection. Test with a known working cable/power supply.
No remote access	Network connection issue, incorrect app settings, firewall blocking.	Ensure DVR is connected to the internet. Check router settings. Verify ZOSI Smart app settings and account login.
False motion alarms	Environmental factors (trees, animals), sensitive detection settings.	Adjust AI detection sensitivity. Configure custom detection zones to exclude irrelevant areas.
Poor night vision	IR LEDs blocked, dirty lens, insufficient power.	Clean the camera lens. Ensure no obstructions are blocking the IR LEDs. Verify adequate power supply to the camera.

SPECIFICATIONS

Feature	Detail
Brand	ZOSI
Model Number	16FK-419B8S-20-US
Connectivity Technology	Wired
Video Capture Resolution	1080p (2MP)
Number of Channels	16 (DVR supports up to 16 cameras, system includes 8)
Night Vision Range	80 Feet
Viewing Angle	90 Degrees
Memory Storage Capacity	2 TB HDD (pre-installed)

Feature	Detail
Video Compression	H.265+
Weatherproof Rating	IP66
Compatible Devices	Smartphones (ZOSI Smart App), PC/Tablet (ZOSI Client Software)
Recording Modes	24/7, Scheduled, Motion Detection, Recycle Record
AI Detection	Human and Vehicle Detection
Power Source	Corded Electric
Operating System	Proprietary (Zosi)
Frame Rate	30 fps
Video Input	BNC
Item Dimensions	17 x 11 x 11 inches (System package)

DEMONSTRATION VIDEOS

These videos demonstrate the capabilities of the ZOSI security camera system.

Video: High Wind Damage to the Roof

Your browser does not support the video tag.

Description: This video demonstrates the camera's ability to capture events, such as high wind damage to a roof, providing clear footage for review.
Duration: 0:33.

Video: Person in the Grass

Your browser does not support the video tag.

Description: This video showcases the camera's detection capabilities, capturing a person moving in a grassy area. Duration: 2:03.

WARRANTY AND SUPPORT

ZOSI is committed to providing reliable security solutions and comprehensive customer support.

- **Manufacturer Warranty:** Guaranteed for a 1-year warranty.
- **Money-Back Guarantee:** 90-day money-back guarantee.
- **Technical Support:** Free lifetime technical support is available.
- **Contact:** For support, please visit the official ZOSI website or refer to the contact information provided in your Quick Start Guide.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

<https://manuals.plus/asin/B0BS5NCXFM>

More documents and user manuals: **<https://manuals.plus/>**