

PRODUCT FEATURES

* Sensor (CCD)

COLOUR 1/3" High Resolution CCD sensor.

* Auto Gain Control (AGC)

Built-in auto gain control (AGC) circuit. The colour camera can achieve high quality images in low Lux conditions

* Auto Electronic Shutter (AES)

Built-in auto electronic shutter function. The colour camera's AES speed can reach **1/100,000s**.

* Gamma Characteristic

Camera Gamma characteristic is **0.45**.

* Scanning Mode

NTSC or PAL mode.

* Night-time Vision

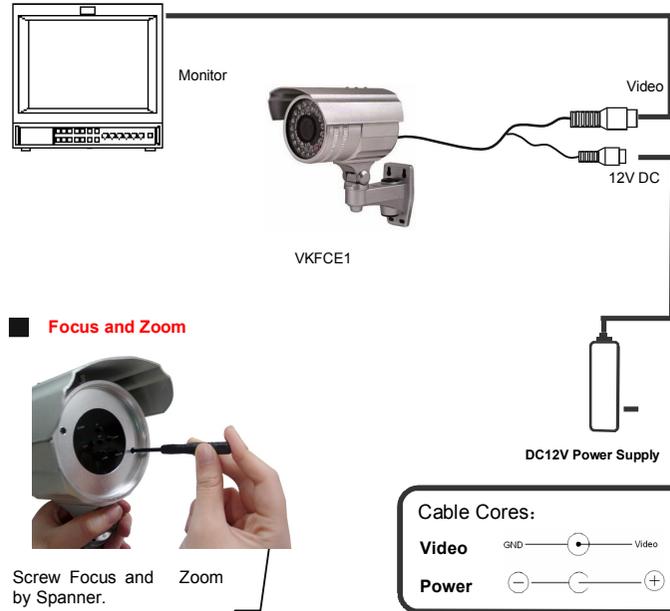
0 Lux with IR LED ON. High quality IR LED's provide night-vision effect.



Notes:

- Please ensure the correct specification power supply is used. Check voltage, polarity and operating temperature match the camera's requirement.
- Lightning protection is recommended for use with camera equipment. If not installed, in electrical storms, camera equipment should be disconnected.
- The BNC and Power Connections are not IP rated, **please ensure that these connections are suitably protected from water/moisture ingress.**

CONNECTIONS



Please tighten the cover after focus and zoom to prevent water ingress.

TROUBLE SHOOTING

1. No Picture after providing power

- . May be the power supply. please check the power supply voltage and polarity.
- . Please check all the connecting cables to monitoring equipment, especially the 'BNC' connectors.

2. The picture shows 'rolling' interference ripples

- . May be caused by induced AC voltage on to video cables. Check for AC cables near video cables & move as necessary.
- . Check the earth potentials at monitor and peripheral equipments positions. Earth potentials should be the same at each position.

3. The picture background colour changes continuously

- . **Fluorescent lamps** or electromagnetic field **can cause** colour roll. This is a normal phenomenon of the camera.
- . Reduce the fluorescent lamp numbers or increase the distance between the camera and the fluorescent lamps **or electromagnetic field**.

4. The picture 'smear's'

- . The power supply's voltage **could be** unstable.
- . Cables not connected correctly or have high impedance.

INTRODUCTION

Congratulations on your purchase of this FACINA product. This VKFCE1 is a high quality day / night camera with LED illumination, varifocal lens, On Screen Display programming & a sturdy cable managed mounting bracket.

The camera can be used indoors or outdoors & has a removable sun shield.

Please read this instruction manual carefully before installation to ensure correct use of the product.



To prevent fire or shock hazardous. Do not immerse the unit into water.



The symbol is intended to alert the user to the presence of important operating and maintenance (servicing) Instructions in the literature accompanying the appliance.



The symbol is intended to alert the user to the presence of uninsulated 'dangerous voltage' within the product's enclosure that may be of sufficient Magnitude to constitute a risk of electric shock.

	CAUTION: RISK OF ELECTRIC. DO NOT OPEN	
SHOCK		
CAUTION: TO REDUCE THE RISK OF ELECTRIC DO NOT REMOVE COVER OR BACK. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING		

CAUTION:

To prevent electric shocks and risk of fire hazards, do NOT use other than specified power source.



Note:

- Please note the camera's operating temperature and its using environment requirement. Avoid using the camera at too high or too low temperatures. The operating temperature is -10°C-50°C. (Recommendatory operating temperature is -5°C--40°C.)
- Never position the camera to face the sun or bright object. This may damage the CCD.
- Do not mount the camera by a radiator or heater.

Specification

Model	VKFCE1
Pick Up Element	COLOUR 1/3" CCD
Effective Picture Elements (H*V)	976×494
Horizontal Resolution	700 TV Lines
S/N Ratio	More than 48dB
Clock Frequency (MHZ)	36
Scanning System	2:1 interlace
Minimum Illumination	0 Lux (with IR LED ON)
Synchronous System	Internal, Negative sync.
Auto Electronic Shutter	1/50s~1/100,000s
Gamma Characteristic	0.45
IR Distance	Up to 30 Meters (with 35 Unit Infrared LED)
IR Status	Under 10 Lux by CDS
IR Power On	CDS Auto Control
Video Output	1Vpp,75 Ω
Auto Gain Control	Auto
Power/Current	12VDC(±10%)/ 700mA
Lens	4-9 mm
Water Resistance	IP66
Dimension (mm)	150(W)×100(H)×95(D)
Weight (g)	1100
Storage Temperature	-30~ +60°C RH95% Max
Operating Temperature	-10~ +50°C RH95% Max

Packing List

No	Name	Model	Number
1.	WeatherProof Day& Night Colour IR Camera	VKFCE1	1
2.	User Guide		1

FACINA

SURVEILLANCE

VKFCE1

Weatherproof Day& Night IR Colour Camera



FACINA

SURVEILLANCE

Challenger Security

10 Sandersons Way
Blackpool Lancashire
FY4 4NB

Tel: 01253 791888

Fax: 01253 791887

Email: enquiries.challenger@adivision.co.uk

Notes: Please read this User Guide in detail prior to installation

Do not attempt to disassemble the camera. If the camera does not function correctly, please contact our technical helpline on Tel: 01253 792898

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