

# Video Security



## VKC-1420

1/4" Colour Camera with 16x Zoom Lens  
DSP, DSS, 12VDC, 480TVL

Art-No. 92043



## Features

Integrated 16x AF Zoom Lens/12x Digital Zoom  
Resolution of 480 Horizontal Lines  
Sensitivity of 1.46Lux at F1.2 (Colour)  
On-screen Menu Control (OSD)  
Programmable Back Light Compensation (BLC)  
Electronic Shutter Control (ESC)

Low Speed Shutter Control up to 128 Fields (DSS)  
Automatic Gain Control (AGC)  
Automatic White Balance (AWB)  
Adjustable Video Transmission Distance (3 Steps)  
RS-485 Serial Control Interface / ZF Control  
Supply Voltage: 12VDC

## Specifications

System	CCIR/PAL
Signal amplification	3 steps
Imager	1/4" Sony Super HAD Interline Transfer CCD
Active picture elements	Approx. 440,000, (H) 752 x (V) 582
Signal processing	Digital (DSP)
Synchronization	Internal
Sensitivity at 50% video signal	1,46 (0,13) Lux at colour; 0,94 (0,3) Lux at B&W, VT measurement result at F1.2 (DSS ON/12Flds.)
Horizontal resolution	480TV lines (colour)
Zoom function	Manual via buttons. Menu controlled start and end limitation
Focus control	Automatic and manual
Sharpness correction	10x range
Brightness	18x range
Electronic shutter control (ESC)	1/50 ~ 1/10,00Sec., Automatic and manual (8 steps)
Low speed shutter	Automatic, 2 to 128 Fields
Automatic gain control (AGC)	Supplied
White balance	Automatic or manual

## VKC-1420

(Specifications continued)

<b>Signal-to-noise ratio</b>	48db (AGC OFF)
<b>OSD function control</b>	Main menu: Camera-ID no. (up to 255), B&W switching, Sharpness, Hor. mirror function, Positive/Negative switching. Focus: Autofocus ON/OFF, Zoom end positions. AWB: White balance Automatic/manual. Brightness, Shutter, BLC ON/OFF. Display: Menu ON/OFF. Initial: Camera settings ON/OFF
<b>Menu driven set-up</b>	ON/OFF switchable
<b>Menu languages</b>	English
<b>Serial port</b>	RS-485 (Pelco D protocol)
<b>Backlight compensation (BLC)</b>	Automatic, ON/OFF switchable
<b>Zoom range</b>	F1.4 ~ 64/3.9 ~ 62.4mm (16x Zoom)
<b>Digital Zoom</b>	2x ~ 12x
<b>Horizontal angle of view</b>	Wide angle: 50°; Tele end: 3.3°
<b>Minimum object distance (MOD)</b>	Wide angle: 10cm; Tele end: 1.0m
<b>Filter screw size</b>	-
<b>Iris control</b>	Auto iris controlled
<b>External adjustments</b>	Menu: ON/OFF; Focus: Near/Far; Zoom: T/W. Cable length compensation (3 steps)
<b>Video output</b>	1Vp-p, (C)VBS, 75ohms
<b>External connections</b>	Video (BNC), 12VDC Power input, 5pin RS-485 Serial interface socket / ZF control
<b>Camera mount</b>	Mounting socket with 1/4" - 20 UNC thread
<b>Supply voltage</b>	12VDC (±0.5V)
<b>Power consumption</b>	4.5W max.
<b>Temperature range</b>	-10° to +50°C
<b>Dimensions (HxWxD)</b>	See drawing
<b>Housing</b>	Plastic
<b>Colour</b>	Silver grey
<b>Weight</b>	Approx. 300g
<b>Parts supplied</b>	Camera, Manual

## Accessories

<b>77779 / VT-PS12DC-UK</b>	Power Supply Unit w. UK Mains plug-in, 100-240VAC/12VDC-1.0A, Regul., open Ends
<b>70688 / WD-18</b>	Wall Mount with Ball Joint, 1/4" Camera Fixing Screw, Beige Grey
<b>77772 / VT-PS12DCDT</b>	PSU 12VDC/0,5A, Regulated, Desktop Version, 1.8m Cable each w. open ends
<b>70448 / VT-PS12DC-6</b>	Plug-in Power Supply Unit 100-240VAC 12VDC (1.0Amp), Regulated, w. Open Ends
<b>73743 / KBD300A</b>	System Keyboard with Joystick for Pelco Matrix Switchers CM6700/6800 and Esprit
<b>70697 / WD-21/RAL9006</b>	Wall Mount Bracket with Ball Joint, 1/4" Camera Fixing Screw, RAL9006
<b>70771 / WD-23</b>	Wall Mount Bracket with Ball Joint, 1/4" Camera Fixing Screw, Pantone 877

(Accessories continued)

**73744 / KBD200A**

System Keyboard for Pelco Matrix Switchers CM6700/6800  
and Esprit Systems

VIDEOR TECHNICAL E. Hartig GmbH  
Carl-Zeiss-Straße 8 · 63322 Rödermark · Germany  
Telefon +49 (0) 60 74/8 88-0 · Telefax +49 (0) 60 74/8 88-100  
info@videortechnical.com · www.videortechnical.com

