IK-WD04A

1MP Varifocal Indoor Mini-Dome Camera

Simple, low cost IP mini-dome with Varifocal lens

The IK-WD04A is a 720p HD IP mini-dome camera that is ideal for a variety of indoor video surveillance environments. With wide dynamic range and multiple H.264 streaming capabilities, it delivers excellent imaging quality and operator flexibility. Unlike most cameras in its price range that have fixed lens, the IK-WD04A has a varifocal 3mm - 12mm lens, adding to its performance and value. ONVIF compliance and 802.3af Power over Ethernet simplifies installation.

- 720p HD video high resolution image capture
- Wide dynamic range enables use in locations with difficult lighting conditions
- Varifocal 3mm - 12mm lens

- ONVIF compliant for maximum compatibility
- Dual power; PoE (802.3af) and 12V DC
- MicroSD card for edge recording

720P HD   **VARIFOCAL LENS**   **Onvif**

IK-WD04A
Varifocal IP Mini-Dome Camera

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Camera

Image sensor	1/4" progressive scan CMOS 1MP
Effective pixels	1280 x 800
Lens	Vari-focal f=3mm to 12mm, F=1.4
Lens type	Fixed Iris
Zoom	4x optical, 4x digital
Angle of View	24 - 61 degrees horizontal, 15 - 38 degrees vertical
Min. Illumination	0.38 lux @ F1.4 (50%)
Electric shutter	1/5-1/32,000 sec

Camera Features

Day/Night	Yes, electronic
Wide Dynamic Range	Yes
White balance	AWB (2800K to 10,000K)
Gain (AGC)	Auto
BLC	Yes
Privacy mask	Yes
Motion detection	Yes

Audio/Video

Compression	H.264, MPEG4, MJPEG
Resolutions	1280x800, 640x400, 320x200,176x144
Frame rate (max) *1	Up to 30 fps @ 1280x800
Video streams	4 simultaneous
Audio	Not available

Network

Protocols	IPv4, IPv6, TCP/IP, UDP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X
ONVIF	Yes, ver. 1.02
Maximum user access	10 clients
Security	Multi level ID/Password, IP address filtering, HTTPS, 802.1x port based authorization
Basic authentication	Yes (Windows standard)
Bandwidth control	QoS, CoS
Camera set-up program	Installation Wizard (v.1.0.0.7 or later)
Plug-In	Active X
Alarm recording	FTP, email, MicroSD card, HTTP, samba

Interface

Ethernet connectors	10 Base-T/100 Base-TX, RJ45
Digital In/Out	1 IN
SD card slot	MicroSD/SDHC, max 32GB

General

Dimensions	3.15 inch (H) x 4.33 inch (Diameter) (80mm x 110mm)
Weight	1.1 lbs (500g)
Power requirements	802.3af PoE, 12V DC
Power consumption	3.84W max
Operation temperature	14°F to 122°F (-10°C to 50°C)
Operation humidity	~ 90%
Storage temperature	-4°F to 140°F (-20°C to 60°C)
Storage humidity	~ 95%
OS	Linux 2.6
Approvals	FCC Class B, IC(ICES-003), UL 60950-1, cUL

System Requirements

Web browser support	Internet Explorer® Ver. 8.0
Supported OS	Windows® XP, Vista® Business, Windows 7 professional

*1: Varies in accordance with the object, image quality, network environment and performance of the client used.

Camera Notes

Why is a Varifocal lens important?
A Varifocal lens allows you to adjust the aperture on the fly. This leaves less room for error and also lets you make changes to the view at a later time.

Why is a Wide Dynamic Range important?
In backlight situations, a scene will have both bright and dark areas. Wide dynamic range solves this problem by using different exposures in different areas within the scene so that bright and dark objects are visible.

Why is an SD card slot important?
With a built-in SD card slot, your video is backed up to ensure nothing is missed in the event of recorder trouble or a network failure. The camera will continue to record onto the card for hours or even days depending on the settings.

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IP Mini-Dome Camera

Included Accessories

- PoE adapter
- CD-ROM
- Quick Start Guide
- Warranty Card
- Screws

Optional Accessories

Accessory Type	Part Number	Description	Photo
Wall mount	JK-WM04	Wall mount for IK-WD04A	