



IK-WD31A

3MP Indoor Dome

Versatile indoor dome with Smart Codec

The Toshiba IK-WD31A is an indoor IP camera with a suite of high-end features and specifications. Three megapixel resolution, 4x optical remote zoom and remote focus make covering large areas easy, while H.264 Smart Codec reduces network bandwidth. Adaptive IR LEDs and Hallway view make it flexible for almost any indoor application. ONVIF compliant and 802.3af Power over Ethernet ensure compatibility with any system.

- 3MP resolution with remote optical zoom and remote focus
- H.264 Smart Codec reduces network bandwidth without sacrificing quality
- Adaptive IR LEDs automatically adjust intensity
- Hallway view rotates image 90 degrees for portrait orientation
- ONVIF compliant for maximum compatibility
- Power over Ethernet (802.3af)
- MicroSD card for edge recording
- True WDR and True D/N captures images in difficult lighting



Onvif

Camera

Image sensor	1/3" CMOS 3MP
Effective pixels	2048 x 1536 (4:3)
Lens	Varifocal f=2.8 - 12mm, F=1:1.8
Lens type	Remote zoom, remote focus
Zoom	4x optical, 3x digital
Angle of view	29° - 82° horizontal 22° - 61° vertical
Min. Illumination	0.03 lux / F1.8 (Night mode, LED-OFF, Gain 100%, 1/30 sec), 0 lux w/IR on
IR illuminators	Adaptive IR LED, 20m range

Camera Features

Day/Night	Yes, IR cut filter
Wide Dynamic Range	True WDR
White balance	Manual, AWB (2500K - 10000K),
Gain (AGC)	Auto
BLC	Yes
Privacy mask	Yes
Motion detection	Yes
Tamper protection	Yes

Video

Compression	H.264 Smart Codec, H.264, MJPEG
Resolutions	2048x1536, 1920x1080, 1280x1024, 1280x720, 1024x768, 640x480, 320x240
Video streams	3 streams
Frame rate (max) ¹	20 fps @2048x1536 30 fps @1920x1080 60 fps @1280x720 (WDR-OFF)
Image rotation	Hallway, Flip, Mirror Views

Audio

Audio Compression	G.726, G711
Audio In/Out ²	Built in MIC, MIC In (plug-in power 3.3V, 200kΩ), Line OUT (1 Vrms)

Interface

Ethernet connectors	10 Base-T/100 Base-TX, RJ45 connector
Digital In/Out	1 in/1 out
SD card slot	MicroSD 64GB max

Network

Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, and 802.1X
ONVIF	Profile-S (test tool v14.06)
Maximum user access	10 clients
Bandwidth control	QoS, CoS
Camera set-up program	Installation Wizard
Plug-In	Active X
Alarm recording	FTP, email, MicroSD card

General

Dimensions	4.3 inch (H) x 6.3 inch (Diameter) (109mm x 159.3mm)
Weight	1.67 lbs (758 g)
Power requirements	802.3af PoE, 12V DC ± 10 %
Power consumption	12V DC / 2.1A
Operation temperature	14°F to 122°F (-10°C to 50°C)
Operation humidity	~ 90%
Approvals	FCC Class B, IC Class B, UL 60950-1, CSA C22.2 No. 60950-1
Warranty	2 years

System Requirements

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

Accessories

Included	Screws (x3), Anchors (x3), AV Out cable (x1), Torx driver (x1), Alignment sticker (x1), CD-ROM (x1), Quick Start guide and Important Safeguards (x1), Warranty Card (x1)
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¹: Varies in accordance with the object, image quality, network environment and performance of the personal computer used.

²: The sound may not be clear depending on the conditions of the lines.

IK-WD31A

3MP Vandal Dome

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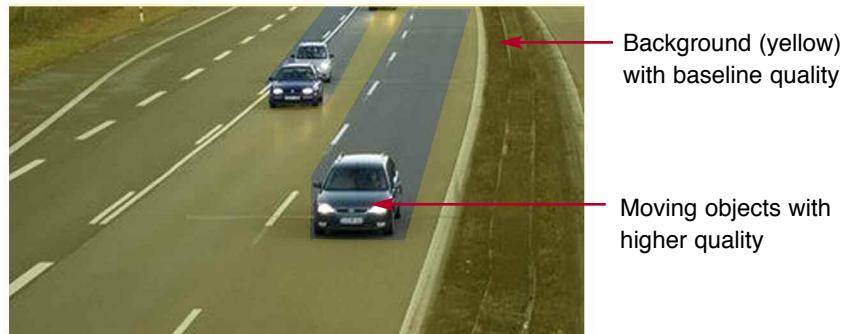
Innovative features of the IK-WD31A Camera

Smart Codec

Smart Codec can effectively reduce the video packet size while maintaining good video quality. It allocates more bandwidth to moving object or areas of interest, resulting in lower bandwidth and storage requirements.



Without Smart Codec*



With Smart Codec*

Background (yellow) with baseline quality

Moving objects with higher quality

Adaptive IR

Adaptive IR automatically adjusts the IR LED intensity in order to avoid over exposure of close objects.



Adaptive IR On*



Adaptive IR Off*

Hallway View

Hallway View rotates the camera view 90 degrees for a “portrait” mode. This allows move coverage for areas such as retail aisles, warehouses or office corridors.



Standard View*



Hallway View* (90° rotation)

* Simulated image

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3MP Indoor Dome

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- Screws (x3)
- Torx driver
- Quick start guide
- Anchors (x3)
- Alignment sticker
- Safeguards
- AV Out cable
- CD-ROM
- Warranty card

Optional Accessories

Accessory Type	Part Number	Description	Photo
Mounting Adapter Plate	JK-JBA2	Mounting adapter plate for installation in an electrical box	
In-Ceiling Housing	JK-CMWD01AT	In-Ceiling Housing	
Wall Mount	JK-WM14	Wall Mount Bracket	