



IK-WB82A

3MP Bullet IP Camera

Higher resolution with lower bandwidth requirements

The Toshiba IK-WB82A 3MP bullet IP camera offers a host of high-end features and technologies. Powerful 3MP resolution, 4x optical remote zoom and remote focus make monitoring large areas easy, while H.264 Smart Codec reduces network bandwidth. Adaptive IR LEDs and Hallway view give the IK-WB82A extra versatility for almost any application. It comes complete and ready for installation without the need for any accessories.

- 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



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Camera

Image sensor	1/3 inch CMOS 3MP
Effective pixels	2048 x 1536 (4:3)
Lens	Vari-focal f=2.8mm to 12mm, F=1:1.8
Lens type	Remote zoom, remote focus
Zoom	4x optical, 3x digital
Angle of view	29° to 86° horizontal
Min. illumination	0.03 lux / F1.8 (Night mode, LED-OFF, Gain 100%, 1/30 sec), 0 lux with IR on
IR illuminators	Adaptive IR LED, 30m range (98 ft)

Camera Features

Day/Night	Yes, IR cut filter
Wide Dynamic Range	True WDR
White balance	Manual, AWB (2500K to 10,000K)
Gain (AGC)	Auto
BLC	Yes
Privacy mask	Yes
Tamper detection	Yes
Motion detection	Yes

Video

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

Audio

Audio Compression	G.726, G.711
Audio In/Out ^{*2}	MIC In (plug-in power 3.3V, 200kΩ), LINE OUT (1 Vrms)

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 v15.06)
Maximum user access	10 clients
Security	Multi level ID/Password, IP address filtering, HTTPS, 802.1x port-based authentication
Basic authentication	Yes (Windows standard)
Bandwidth control	QoS, CoS
Camera set-up program	Installation Wizard
Plug-In	Active X
Alarm recording	FTP, email, MicroSD card

Interface

Ethernet connectors	10Base-T / 100Base-TX, RJ45 connector
Digital In/Out	1 IN / 1 OUT
SD card slot	SD/SDHC/SDXC 64GB max

General

Dimensions	8.7 inch (H) x 3.3 inch (Diameter) (221mm x 84.5mm)
Weight	4.2 lbs (1900g)
Power requirements	802.3af PoE, 12V DC ± 10 %
Power consumption	12V DC / 1.02A
Operation temperature	PoE: -22°F to 122°F (-30°C to 50°C) 12V DC: -22°F to 122°F (-30°C to 50°C)
Operation humidity	~ 90%
Approvals	FCC/A, ICES-003, UL 60950
Vandal resistance	-
Environmental	IP66
Warranty	2 years

System Requirements

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

^{*1}: Varies in accordance with the object, image quality, network environment
and performance of personal computer used.

^{*2}: The sound may not be clear depending on the conditions of the lines.



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Innovative features of the IK-WB82A Camera

Smart Codec

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



Without Smart Codec*



Background (yellow)
with baseline quality

Moving objects with
higher quality

With Smart Codec*

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 more coverage for areas such as retail aisles, warehouses or office corridors.



Standard View*



Hallway View* (90° rotation)

* Simulated image

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Included Accessories

Sun Shield Kit, Wall Mount Bracket Kit, Wall Mount Plate, Waterproof connector for I/O and RJ45, Alignment sticker, Wrench x 2, Silica Gel, Screws and Anchors Kit, Warranty Card, CD-ROM, AV Out Cable, Quick Start Guide and Important Safeguards

Optional Accessories

Accessory Type	Part Number	Description	Photo
Corner Mount Adapter	JK-CMA12	Corner mount adapter.	
Mount Adapter	JK-PMA12	Pole mount adapter.	