IK-WB81A

1080p HD Bullet IP Camera

Brighter, wider range SRLEDs capture 30% more area

The IK-WB81A is a 1080p full HD IP bullet camera featuring remote zoom and one-touch auto focus capabilities. With three advanced SRLED IR illuminators, split-glass anti-reflection design, mechanical IR filter, and wide dynamic range, it is a full featured IP camera ready for any environment. Easy cable management, IP66 rating and included mounting hardware make installation fast.

- Remote optical zoom and one-touch remote auto focus for faster installation

- Full 1080p HD video high resolution image capture

- Advanced SRLED technology providing 53° illumination angle for edge to edge lighting

- Split-glass design eliminates IR back reflection at night

- Wide dynamic range optimizes visibility in difficult lighting conditions

- Weatherproof IP66 housing

- ONVIF compliant interface for maximum compatibility

- SD card for edge recording

1080P HD

ONVIF

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TOSHIBA
Leading Innovation >>>>

Camera

Image sensor	1/2.7 inch progressive scan CMOS
Effective pixels	1920 x 1080
Lens	Vari-focal f=3.7mm to 9mm, F=1.2 (wide), F=2.1 (tele)
Lens type	Remote zoom, remote focus
Zoom	3x optical, 4x digital
Viewing angle	37° to 96° horizontal, 21° to 53° vertical
Min. illumination	0.04 lux / F1.2 (Night mode, LED-OFF, Gain 100%, 1/30 sec), 0 lux with IR on
IR illuminators	SRLED [3] (855um), 30m range (98 ft)
IR illumination angle	53°
Electric shutter	1/5-1/10,000 sec

Camera Features

Day/Night	Yes, IR cut filter
Wide Dynamic Range	Yes (Dynamic gamma)
White balance	AWB (2800K to 10,000K)
Gain (AGC)	Auto
BLC	Yes
Flickerless	Yes, 50/60 Hz selectable
Privacy mask	Yes
Tamper detection	Yes
Motion detection	Yes

Video

Compression	H.264, MPEG4, MJPEG
Resolutions	1920x1080, 1600x904, 1360x768, 1280x720, 640x360, 384x216, 176x144
Frame rate (max) [1]	Up to 30 fps @ 1920x1080 (H.264) Up to 30 fps @ 1920x1080 (MPEG4) Up to 30 fps @ 1920x1080 (MJPEG)
Video streams	4 simultaneous
Composite output	NTSC

Audio

Audio Compression	AAC, GSM, 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, 802.1X DDNS, PPPoE, CoS, QoS, SNMP
ONVIF	Yes, ver. 1.02
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, SD card

Interface

Ethernet connectors	10Base-T / 100Base-TX, RJ45 connector
Digital In/Out	1 IN / 1 OUT
SD card slot	SD/SDHC, 512MB min - 32GB max

General

Dimensions	3.19 inches (Diameter) x 7.83 inches (81mm x 199mm)
Weight	2.86lbs (1.3kg)
Power requirements	12V DC ± 10%, 24V AC± 10% 60Hz, 802.3af class 3 PoE
Power consumption	12V DC / 0.8A, 24V AC / 0.8A
Operation temperature	-22°F to 122°F (-30°C to 50°C)
Operation humidity	~ 90%
Storage temperature	-22°F to 140°F (-30°C to 60°C)
Storage humidity	~90%
OS	Linux
Approvals	FCC Class A, IC (ICES-003), UL 60950
Environmental	IP66

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 the client used.
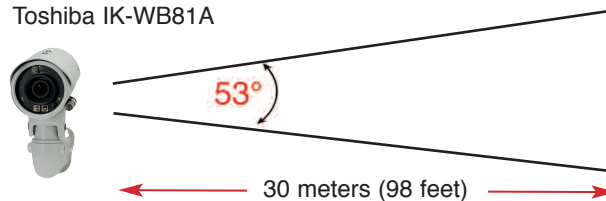[2]: Sound quality varies depending on the condition of the network.
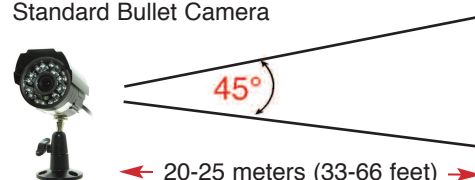[3]: SRLED is Single Reflection LED.

Anti-Reflection Split-Glass Design
This design uses two pieces of glass separated by a metal ring to stop LED light from reflecting back into the lens ("light scatter") causing a foggy halo effect on images at night, in particular if the glass is dirty or wet.

Illumination Angle and Range

Toshiba IK-WB81A

53°
30 meters (98 feet)

Standard Bullet Camera

45°
20-25 meters (33-66 feet)

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Included Accessories

Sun shield kit, wall mount bracket kit, wall mount plate, waterproof connector, alignment sticker, wrench, silica gel, double sided tape, 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.	