



# 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



### Camera

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

### Camera Features

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

### Video

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

### Audio

|                                   |   |
|-----------------------------------|---|
| <b>Audio Compression</b>          | G.726, G.711  |
| <b>Audio In/Out <sup>*2</sup></b> | MIC In (plug-in power 3.3V, 200kΩ), LINE OUT (1 Vrms) |

### Network

|                              |  |
|------------------------------|--|
| <b>Protocols</b>             | IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, and 802.1X |
| <b>ONVIF</b>                 | Profile-S (test tool v15.06)   |
| <b>Maximum user access</b>   | 10 clients   |
| <b>Security</b>              | Multi level ID/Password, IP address filtering, HTTPS, 802.1x port-based authentication   |
| <b>Basic authentication</b>  | Yes (Windows standard)   |
| <b>Bandwidth control</b>     | QoS, CoS   |
| <b>Camera set-up program</b> | Installation Wizard  |
| <b>Plug-In</b>               | Active X   |
| <b>Alarm recording</b>       | FTP, email, MicroSD card   |

### Interface

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

### General

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

### System Requirements

|                            |   |
|----------------------------|---|
| <b>Web browser support</b> | Internet Explorer® Ver. 8.0 or later                          |
| <b>Supported OS</b>        | Windows® XP, Windows Vista® Business, Windows® 7 professional |

<sup>\*1</sup>: Varies in accordance with the object, image quality, network environment and performance of personal computer used.

<sup>\*2</sup>: The sound may not be clear depending on the conditions of the lines.



### 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\*



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



Standard View\*



Hallway View\* (90° rotation)

### 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.   |  |