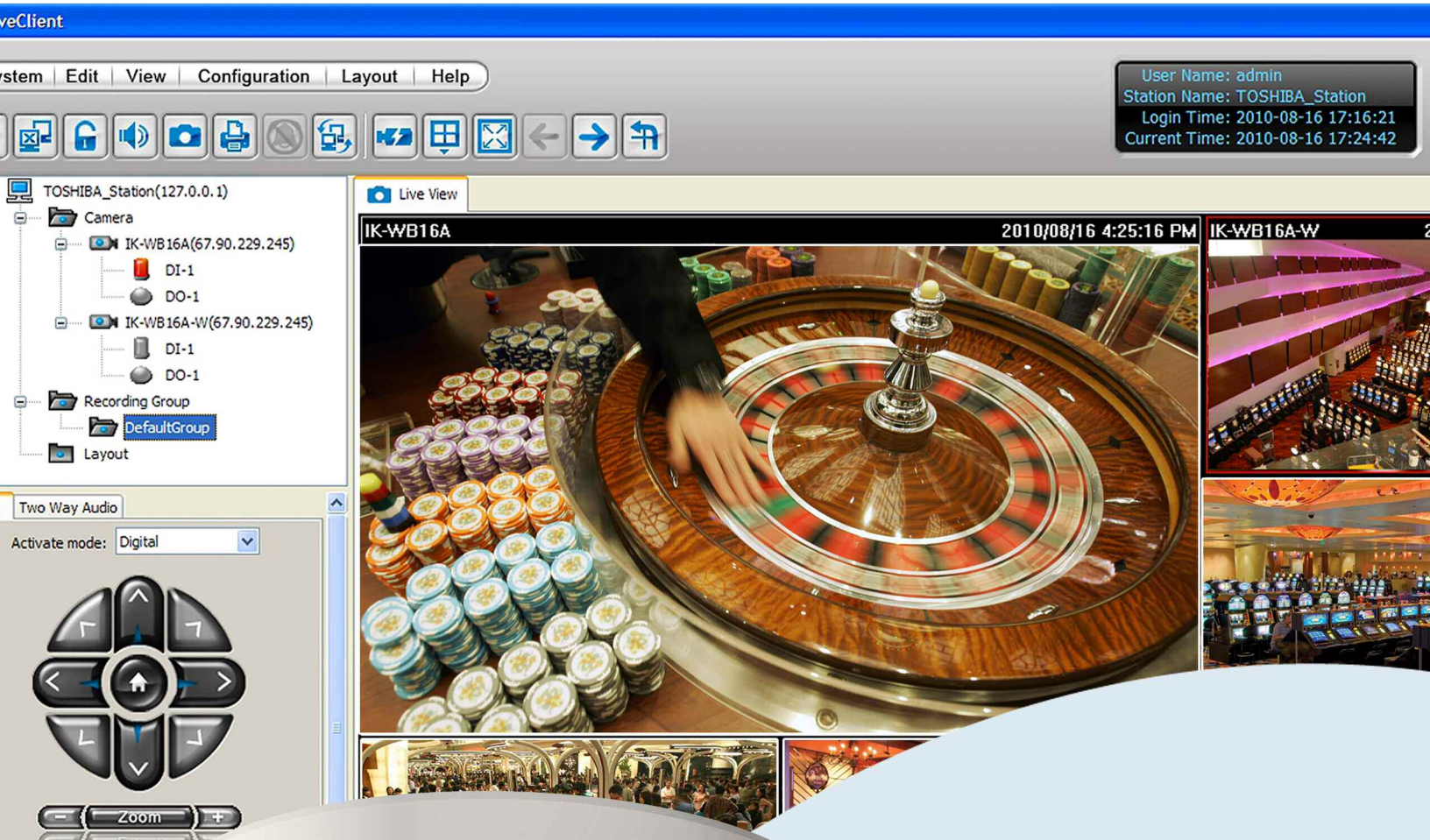
TOSHIBA
Leading Innovation

IK-WB16A/IK-WB16A-W

MEGAPIXEL IP PAN/TILT CAMERAS WITH FREE 16-CHANNEL RECORDING SOFTWARE



- Megapixel resolution (1600 x 1200) to capture small details and better identify subjects
- Quad streaming MPEG4/JPEG video
- Comes with free 16-CH recording software
- Two versions available:
  - PoE, non-wireless (IK-WB16A)
  - 802.11n wireless (IK-WB16A-W)
- Up to 30 frames per second
- Pan range of -175° to +175°
- Tilt range of +90° to -23°
- 4X digital zoom
- Two-way audio
- Micro SD card slot for local recording
- 0.2 lux minimum illumination
- Shipped fully assembled and ready to install
- 2 year limited warranty

product design award

IK-WB16A/IK-WB16A-W

MEGAPIXEL IP PAN/TILT CAMERAS WITH FREE RECORDING SOFTWARE

Toshiba is offering the non-wireless IK-WB16A (shown) with PoE. The IK-WB16A-W is wireless but does not have PoE.

IMAGING

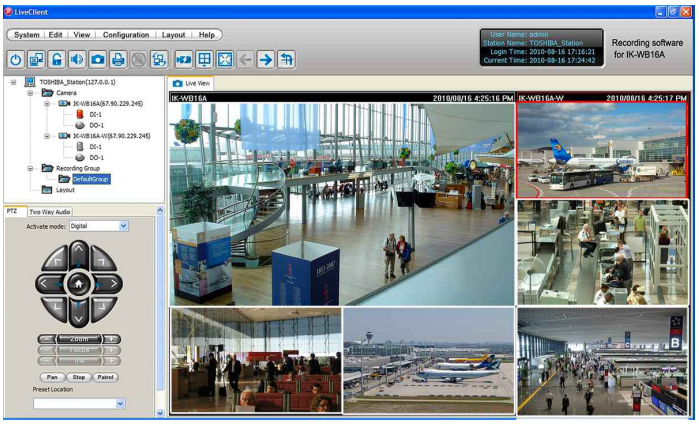
Image Sensor	1/3.2-inch CMOS
Effective Picture Element	1600 x 1200
Scanning System	Progressive
Lens	f=3.6mm F=1.8
Image Compression Format	JPEG, MPEG4 (dual codec)
Minimum illumination	0.2 lux / F1.8 (1/5s 8x) 2.0 lux / F1.8 (1/30s 4x)
Electric shutter	1/5-1/40,000 sec
White Balance	AWB
Gain AGC	Auto
BLC	Yes
Flickerless	Yes, 50Hz/60Hz selectable
Tamper Detection	Yes
Motion Detection	Yes
Pan range	-175 deg to +175 deg (350deg)
Tilt range	+90 deg to -23 deg (113 deg)
Zoom	4x (digital)
Auto Pan	Yes
Auto Patrol	Yes (restricted)
Preset	Yes (20 positions)

NETWORKING

Support-protocol	TCP/ IP, HTTP, HTTPs, UPnP, SNMP RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE,
Internet protocol	IPv4, IPv6
Camera Setup Program	Installation Wizard
MPEG4/JPEG	Simultaneous four streamings
Maximum access user	Up to 10 clients (Live view)
Band width control	QoS, CoS
Image Sizes	1600x1200, 1280x960, 800x600, 640x480, 320x240, 176 x144
Frames per second (fps)	SVGA: 30 fps (MPEG, JPEG) UXGA: 10 fps (MPEG), 15 fps (JPEG)
FTPc frame Rate (Max/sec)	30 fps
Basic authentication	Yes
Security	Multi level ID/Password, IP address filtering, HTTPS, 802.1x port-based authentication
Wireless security*	WEP, WPA, WPA2
DDNS	no-ip.com changeIP.com
Audio I/O	MIC IN / LINE OUT 2way audio (SIP) supported
Multi-cast/Uni-cast	Yes
Alarm recording	Yes
Recording in client PC	Yes
Recording in SD card	Yes (supported Micro SD card)
Export/upload function	Yes
E-mail, FTP, SD Card	Yes

INTERFACE

Ethernet Connectors	10 Base-T/100 Base-Tx RJ-45
Wireless*	IEEE802.11b, 802.11g and 802.11n
Built-in microphone	Yes
Audio in/out terminal	Yes (Mic In / Line out)
Web browser	Internet Explorer® V6.0 or later
Operating System	MS Windows® XP, Vista, 7



FREE RECORDING SOFTWARE: 16 Channel recording software included with the IK-WB16A and IK-WB16A-W.

- View, record and playback up to 16 channels
- Auto camera discovery
- Motion, event and scheduled recording
- Simple and easy to use GUI
- Exports to AVI, 3GP, EXE, BMP and JPEG
- Scheduled backup

MECHANICAL

Dimensions	5.16" (W) x 5.5" (D) x 5.0" (H) 131mm (W) x 140mm (D) x 128mm (H)
Temperature of operation	32° to 122° F (-10° to +50° C)
Humidity of operation	20 to 80%
Weight	480g, 505g (Wireless)
Power Requirements	DC 12V±10% and PoE (802.3af)*
Current consumption	0.55 A (DC12V)
OS	Linux Ver2.6
ROHS	Compliant
Standards	FCC/B, IC (ICES-003), UL60950, CSA C22.2

OPTIONAL ACCESSORIES

JK-SM5C-O	Outdoor clear dome housing
JK-SM5T-O	Outdoor tinted dome housing
JK-SM5C-I	Indoor clear dome housing
JK-SM5T-I	Indoor tinted dome housing
JK-MR5C	Recessed ceiling clear dome housing
JK-MR5T	Recessed ceiling tinted dome housing
JK-WM16	Indoor wall mount bracket
JK-JBA1	Electrical box mounting adapter

INCLUDED ACCESSORIES AC adaptor, Antenna* (2),CD-ROM Manual, IW, Recording-SW, QSG, Safety precautions, Warranty, Screws, Ceiling mount bracket

* The IK-WB16A has PoE, but is not wireless. The IK-WB16A-W is wireless but does not have PoE.

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