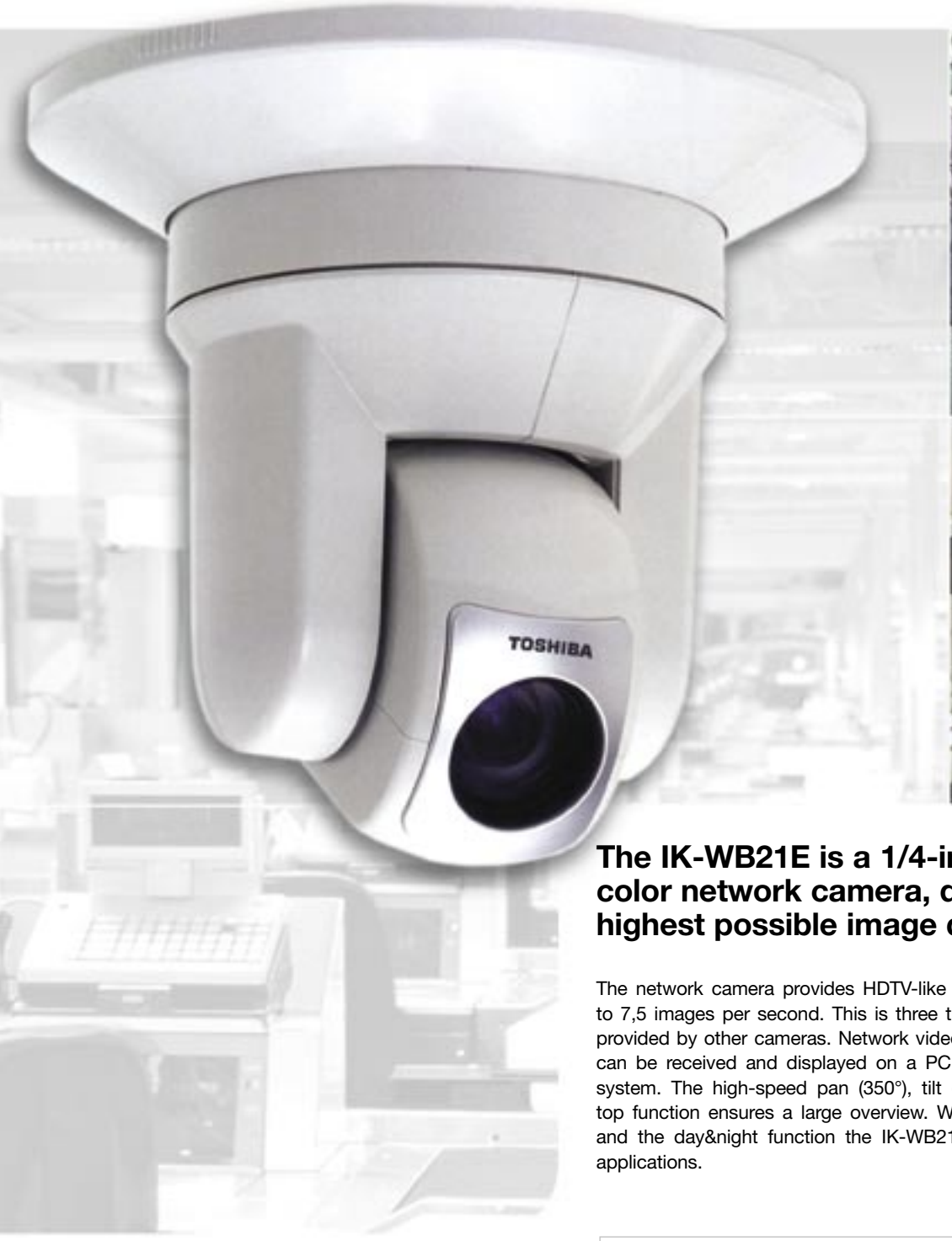
TOSHIBA

IK-WB21E



The IK-WB21E is a 1/4-inch Super CCD color network camera, designed to ensure the highest possible image quality at all times.

The network camera provides HDTV-like quality MJPEG video (1280x960) at up to 7,5 images per second. This is three times more than the standard resolution provided by other cameras. Network video signals are sent over IP networks and can be received and displayed on a PC web browser or a video management system. The high-speed pan (350°), tilt (120°), 22x zoom and ceiling or desk-top function ensures a large overview. With the optional outdoor dome housing and the day&night function the IK-WB21 can provide clear images in outdoor applications.

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- **High-Speed Pan/Tilt/Zoom IP Camera**
- **Powerful 22x Optical Zoom Lens**
- **HDTV quality using Super CCD technology**
- **Integrated webserver**
- **NVR Software available**
- **SD Card recording at the camera**
- **Motion detection**
- **Day & Night function**
- **Two-way audio communication over network**
- **Compact, lightweight, easy to install**

IK-WB21E

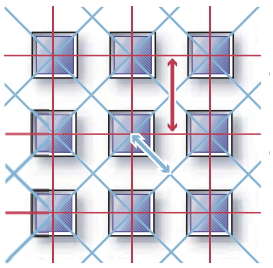
Technical specifications

Image Sensor	1/4" Super CCD 648 x 486 x 2 pixel Honeycomb Layout
Active Pixels	1.26 Mega Pixels
Resolution	SXGA (1280 x 960), VGA (640 x480), QVGA (320 x 240), QQVGA (160 x 120)
Frame Rate	SXGA: Max 7.5 IPS, VGA: Max 30 IPS, QVGA: Max 30 IPS, QQVGA: Max 30 IPS
Compression	JPEG (video streaming Motion-JPEG)
Lens	22x Optical Zoom, Focal Length: f=4,0 mm to 88.0 mm, F-number: F1.6 (wide), F3.8 (tele)
Pan Angle/Speed	350 (-175 to +175 / 300 per Second
Tilt Angle/Speed	120 (-30 to +90 / 200 per Second
Minimum Illumination	0.13 Lux (4s F1.6 AGC High) 4 Lux (1/7.5s F1.6 AGC High), 16 Lux (1/30s F1.6 AGC High)
Day/Night Function	Yes, Color Cut
Focus Mode	Auto / Manual / Presets
Slow Shutter	Off, 1/7.5 s (x4), 1/3.75 s (x8), 1/2.5 s (x12), 1/1.8 s (x16), 1 s (x30), 2 s (x60), 4 s (x120), Off=1/30 s
Iris Control	Auto / Manual
Auto White Balance	Normal / Wide
AGC (Gain)	Standard / Max
Color Gain	R-Y / B-Y Gain Control
Sharpness	Yes (Sharp / Standard / Soft)
White Balance	Auto, Indoor1, Indoor2, Outdoor, Hold, Manual
Backlight Compensation	Off, Screen Upper 2/3, Screen Lower 2/3, Screen Center 1/3, Screen Center 1/6, Screen Right and Left 1/2, Auto
Picture Quality Settings	5 steps
Supported Protocols	TCP/IP, UDP, FTP, DHCP, HTTP, DNS, DDNS, ARP, ICMP, SMTP, NTP, RNCP
Ethernet Connection	10Base-T, 100Base-TX
Ethernet Port	RJ45
Audio In/Out	Yes (1-Microphone In/1-Line Out)
Alarm In/Out	Yes (1-Alarm In/1-Alarm Out)
External Storage	Slot for SD Memory Card
Operating System	Linux
Camera Mounting	Desktop, Ceiling
Power Requirements	12 V DC, 100-240 V AC
Power Consumption	10 W
Operating Temperature	-10 to 40
Operating Humidity	30% to 90% non-condensing
Dimensions	114x136x114 mm (WxHxL)
Weight	740 g.
Approvals	UL6500/cUL, FCC, Class B
Browsing Requirements	Windows 2000 or XP as OS, Internet Explorer Ver. 6.0 or later CPU: Intel Pentium III 800MHz or higher Memory: 256MB or more
Included Accessories	AC adaptor, Power cable, DC extension cable, Mount cover, Mount bracket, Instruction manual and Camera Finder SW (CD-ROM), Quick start guide

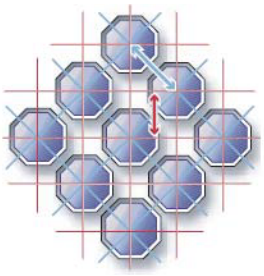
Super CCD

Super CCD Imaging

The IK-WB21E is one of the first IP network cameras to leverage the full potential of the next generation Fuji Super CCD with its unique 45 diagonal angled pixels. When compared with other 'megapixels' cameras, **the Super CCD deliveres 60% better horizontal and vertical resolution**, fewer jagged edges, faster video processing and, broader dynamic range and higher sensitivity in an ultra-compact form factor.



Conventional CCD



Super CCD

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