

## IK-7XD

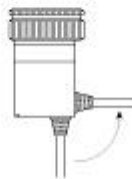
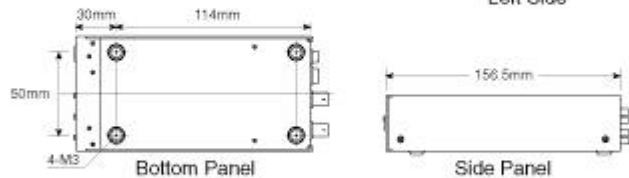
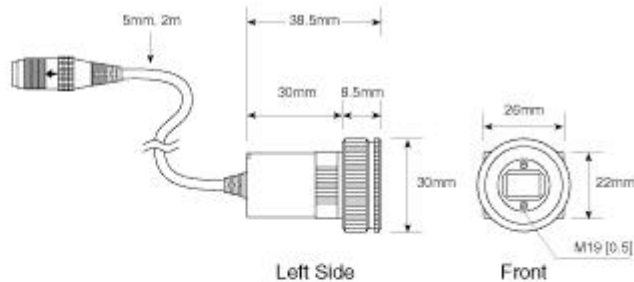
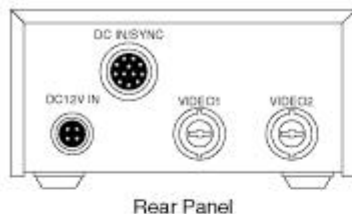
**Model IK-7XD**  
**Toshiba's Remote-head B/W Progressive Scan Video Camera**



■ **Toshiba's machine vision remote-head B/W progressive scan video camera.**

Toshiba's new IK-7XD video camera captures fast moving objects without blur in a single shutter event. Its 60 frames per second output is ideal for high speed online inspection as well as bar code reading, gauging and character recognition. Its small size allows the IK-7XD to be mounted in tight spaces while providing sharp image detail regardless of camera direction.

- Progressive SCAN 1/2 inch CCD
- Effective pixels - 659 x 494 (H x V)
- 60 frames per second output
- 1/2 inch CCD with universal C-mount
- 1/60 to 1/100,000 second electronic shuttering
- Asynchronous continuously variable electronic shutter



Selectable horizontal or vertical exit

IK-7XD Video Camera Specifications	
Imager	1/2 inch progressive scanning interline transfer CCD
Effective pixels	Horizontal: 659 pixels x Vertical: 494 pixels
Pixel size	9.9µm x 9.9µm
Effective image area	Horizontal: 6.2mm; Vertical: 4.89mm (1/2" type)
Scanning system	2:1 interlace, non-interlace
Scan frequency	Horizontal: 15.73 kHz; Vertical: 59.94 Hz or 29.97 Hz
Sync system	Internal/External (automatic switching)
Trigger mode	1 pulse-trigger mode <ul style="list-style-type: none"> <li>• SYNC-reset</li> <li>• SYNC-non reset</li> <li>• TRIGGER-EXT.VD</li> </ul>
Resolution	Horizontal: 490TV lines; Vertical: 480TV lines
Standard sensitivity	400 Lux (F4, gain:OFF)
Minimum illumination	2 Lux (F1.4, gain:ON, with IR cut filter)
S/N ratio	56dB or more (g -1.0, weighting filter on)
Signal format	EIA format compatible
Video output	1.0V(p-p), based on EIA system
Video output impedance	75 ohms
IR cut filter	Removable
Lens mount	M19 (PrO.5) f/back 9.6mm (in air 9mm) C-mount adapter
Operating temperature/humidity	-10°C to +50°C/90% or under
A-Vibration and shock	A-vibration 70m/s <sup>2</sup> (10 to 200Hz), A-shock 700 m/s <sup>2</sup>
Power supply	12 V DC ± 10%
Power consumption	3.1 W
Weight	HEAD: approx. 25g (cable is not included) CCU: approx. 500g
Dimesions	HEAD: 26(W) x 22(H) x 30(D) mm CCU: 80(W) x 40.2(H) x 156.5(D) mm
Camera head cable	Length: 2m (5m extension available); Diameter: 5mm
Gain	OFF (OdB)/ON(9dB)
Electronic shutter speeds	Normal 1/60s to 1/100,000s 1-pulse trigger mode
Image output	1/60N interlaced, 1/60N non-interlaced, 1/30N non-interlaced
EMC Standard	CE, FCC Class A

Designs and specifications are subject to change without notice.

For more information on this product, please contact

Toshiba America Information Systems Inc., [Imaging Systems Division](#).

| [Toshiba America Home Page](#) | [Imaging Systems Division Home Page](#) |

Committed to People, Committed to the Future. **TOSHIBA**

*Copyright © 1998 Toshiba America, Inc. All rights reserved.*