

MICROCAMERA 1K-TU61 JK-TU62H JK-TU63



3CCD

3-CCD Remote Head Colour Camera systems, offered with digital output and a choice of 1/2 inch or 1/3 inch image sensors.

Powerful resolution, interchangeable heads and digital imaging provide better image quality and versatility.

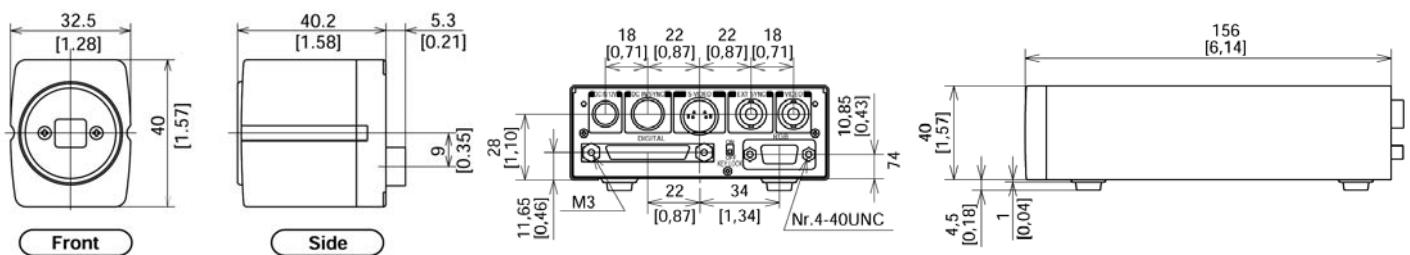
A perfect solution for Broadcast, machine-vision, microscopy, endoscopy and many other applications.

- Remote head with choice of 1/2 inch (JK-TU62H) or 1/3 inch (JK-TU63H) IT Exview™ HAD CCDs
- RGB Digital LVDS and
- RGB/YUV/YC/VBS Analogue Out
- Resolution 800TVL (JK-TU62H)
- Resolution 750 TVL (JK-TU63H)
- 10-Bit Digital Signal Processing
- 63 dB signal-to-noise ratio
- Frame memory allows continuous video imaging in integration mode
- 0.02 Lux at 4 second exposure
- Six vector colour matrix adjust
- 24-step detail frequency/level adjust
- One or Two-pulse triggers
- Freeze frame memory
- C-Mount
- 12 Volt DC operation

Specifications

Power supply	DC12V±10%
Power consumption	approx. 8W (including a camera head)
Pick-up system	RGB, 3CCD, Micro prism system
Available image sensor	1/2 inch, 1/3 inch IT—CCD
(Effective pixels)	(Horizontal: 752pixels, Vertical: 582pixels"
Scanning system	2:1 interlace
Scan frequency	Horizontal: 15.625kHz, Vertical: 50Hz
Sync system	Internal/External (Automatic switching)
Horizontal resolution	JK-TU62H connection: 800TV lines JK-TU63H connection: 750 TV lines"
Sensitivity	F11 standard (2000 lx, 3000K)
Minimum illumination	4 lx (F2.2, Sensitivity+20dB, 3000K)
SN ratio	64dB standard
Lens mount	C mount (flange back: 17.526mm in-air)
Ambient temperature	32 to 104° F (0 to 40°C)
Ambient humidity	Less than 90%
Weight	Approx. 1.57 lbs (710g)
External dimension	4.33"(W) x 1.57"(H) x 6.14(D) (110(W) x 40(H) x 156(D)mm) (except for protruded portion)
Scene file(user memories)	A, B, C
White balance	ATW (Automatic tracing balance), AWB (Automatic white balance) MANUAL (Manual)
Gain	AUTO (Automatic gain control), MANUAL (Manual), OFF (0dB)
Output signal	VBS: 75Ω unbalanced, BNC connector, PAL standard Y/C: 75Ω unbalanced, S terminal RGB or Y/PR/PB: 75Ω unbalanced, D sub 9 pin connector VBS or Y/C: 75Ω unbalanced, D sub 9 pin connector"
External sync input	VBS/BS: 75Ω unbalanced, Sync negative, BNC connector Sync 0.3V±0.1V, Burst 0.3V±0.1V HD or VD: 2—5V(p-p) Negative
Sync signal output	SYNC: 2.5V±1V(p-p) 75Ω unbalanced HD, VD, INDEX: 5V +0.5/-1.0 V(p-p), Negative, Load impedance: More than 10KΩ
External trigger input	TRIGGER: Low level: Less than 0.4V, High level: 3.4—5V 1 Pulse: Positive/Negative selectable 2 Pulse: Positive/Negative/Width selectable
Interface	Serial data interface (RS-232C)
(LVDS)"	Digital signal interface TRIG (input) RGB (output) : 10bit x 3 PIXEL CLK (output) FIELD ID (output) LINE EN (output) FRAME EN (output)"
Optional parts	JK-TU62H (1/2 inch 3CCD camera head) JK-TU63H (1/3 inch 3CCD camera head) EXC-T503 (Camera cable (3m)), EXC-T506 (Camera cable (6.5m)) EXC-T510 (Camera cable (10m)), EXC-T530 (Camera cable (30m)) EXC-T505RGB (RGB cable), JK-KTU5 (Camera head tripod base)"

Design and specifications are subject to change without notice



www.toshiba.ch/ics

Toshiba Europe (Switzerland)
Industrial Camera Systems
Chriesbaumstrasse 4
CH-8604 Volketswil
Tel. ++41(0)44 908 56 30
Fax ++41(0)44 908 56 57
professional@toshiba.ch