

# Micro Head High Definition 4 : 3 Color Camera

## DZ-VCA1U

- World's smallest and lightest HD camera; at least one fifth the size of other manufacturers
- High definition recording is possible with SR-W7U W-VHS VCR
- Practical system cost with monitor and recorder; similar to standard definition
- Uses include medical and industrial applications; Endoscopic examination, Micro surgery, Pathological microscopy, Arthroscopy, etc.
- Medical UL2601-1 certification
- 800 horizontal , 650 vertical TV lines resolution
- 4:3 aspect ratio
- Separate Camera head and camera control unit
- Camera head weighs 8.1 ounces, (230 g), measures 59 (W) x 79 (D) x 7 (H) mm
- High definition image generated by new 4 CCD dual green half pitch offset CCD system
- Positive / negative images
- Automatic sensitivity control (with over / under adjustment):
  - Normal
  - AGC: Automatic gain control
  - ALC: Automatic gain control + Automatic Iris
  - Manual
- White balance: Automatic red and blue adjust, manual, and pre-set 3200K or 5600K
- Laparoscope, Microscope and Arthroscope System accessories:
  - Optional:
    - AA-V112U AC power adapter, power cable
    - AA-V31U Isolation transformer
    - GL-V61U Microscope adapter
    - GL-V62U 1/2 inch bayonet conversion adapter
    - GL-V63U Laparoscope adapter
    - GV-SCS1JU SCSI interface
    - VC-V3U 3 meter camera cable
    - VC-V10U 10 meter camera cable



Camera head approximate size.

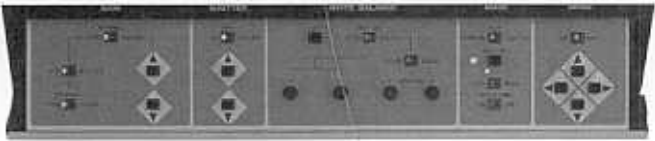
Camera head	
Image sensor	1/3" IT CCD
	Special mount (Similar to C mount; flange back 28.0mm in air)
Video out	19 pin
	59(W) x 71(H) x 79(D ) mm (2-3/8" x 2-3/16" x 3-1/8")
	230g (0.5l lbs.)
	1,125 (982 effective)
Scanning system	2:1 interlace
	More than 800 Horizontal and 650 Vertical TV lines
	52 dB
	F5.6 at 2000 lux
	F2.0 at 10 lux ( +12dB gain, 1/30 sec shutter, 50% level
Gain range	-3 dB to +12 dB (1 dB steps)
Shutter	1/30, 1/60, 1/100, 1/175,1/250,1/375, 1/500, 1/1000, 1/2000

Freeze	Field freeze (with LED indicator)
	Year/Month/Date, Date/Month/Year, Month/Date/Year
	0.45, 0.48, 1.00 (off)
Connections	
	20 pin
Power	XLR 4 pin

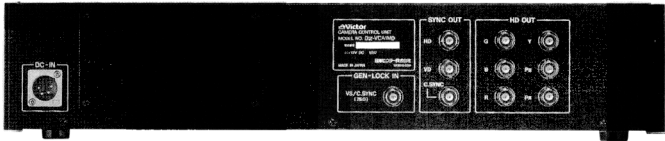
# Micro Head High Definition 4:3 Color Camera

## DZ-VCA1U

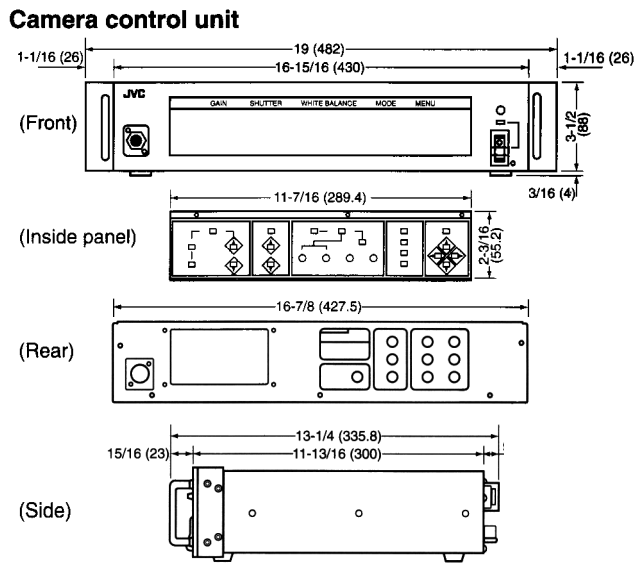
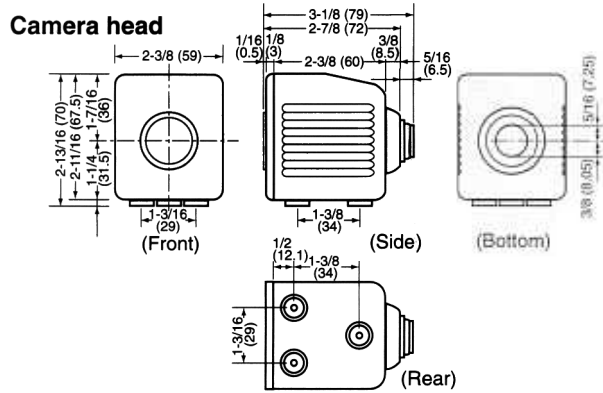
50



Front controls



Rear controls



Unit: Inches (mm)

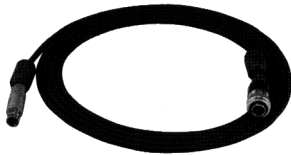
### Optional Accessories



GL-V61U  
Microscope adapter



GL-V62U  
1/2" bayonet conversion  
adapter



VC-3U  
3 m (9.75 ft) camera cable



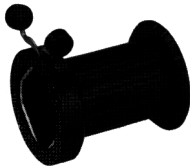
VC-10U  
10 m (32 ft) camera cable



AA-V31U  
Isolation transformer



AA-V112U  
AC power adapter for  
medical use



GL-V63JU  
Laparoscope adapter

GV-SCSI  
SCSI interface



DILA projector



DT-V2000SU



HR-W7U