

# HITACHI

## Digital Signal Process CCD COLOR CAMERA

### KP-D20BP-S3.....one cable version...

#### A. Outline

- ◆ Very small, light weight.
- ◆ Various functions, high picture quality by digital signal processing system.

#### B. Sales points

- ◆ Flexibility to equipment and system by small and lightweight.
- ◆ Various camera mode set up by on screen display.
- ◆ Y / C output (**Round 12p**/ see Table 1)
- ◆ RS-232C remote control (**Round 12P**/ see Table 1)

#### C. External view

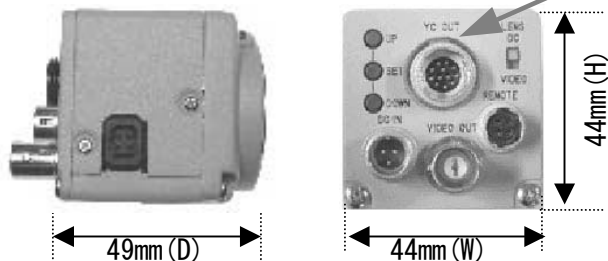


Table 1 YC output/DC in/Remote

Round multi-connector pin arrangement	
Pin No.	Signal name
1	GND
2	+12V
3	GND (Y)
4	Y output
5	GND (TX, RX)
6	TX output
7	RX input
8	GND (C)
9	C output
10	GND
11	+12V
12	GND (RX)

#### D. Major specifications

Color format	PAL
Imager	1 / 2 " IT - CCD
Effective pixels	752 (H) x 582 (V)
Sync system	Internal
Horizontal resolution	470 TV lines
Minimum illumination	0.3 lx (F1.2 AGC: ON [31dB])
S / N	50 dB
Video output	VBS, Y/C
Electronic shutter speed	OFF, 1/120,1/250,1/500,1/1000,1/2000, 1/4000,1/10000,1/20000,1/30000,AES
AGC	ON selectable: 6,12, 21, 31dB/OFF
Backlight correction	Photometric area selectable from among 9 positions on screen
White balance	Auto tracking white balance/Preset/Manual
Gamma	ON (0.45) or OFF (1.0) Selectable
Remote control	RS-232C
Other functions	Digital zoom (4times), Color saturation, Pedestal, Detail, Polarity, Text display
Power supply	12VDC±10% 220mA
Dimensions	44(W) x 44(H) x 49(D) mm
Mass	130g approx
Auto iris control	VIDEO (Video, DC 12 V) / DC (galvanometer type)
Lens mount	CS mount (Option: C-mount ring)



Option accessories	
AC adaptor	AP-130
DC input plug	R03-P3F
YC/DC in plug	HR10A-10P-12S
C mount adaptor	LA-D20AB
Tripod adaptor	TA-D20AB
Lens plug	E4-191J-100
Remote plug	HR10A-7P-4P (01)

#### E. Suggested markets: Inspection system, Factory automation, etc.