

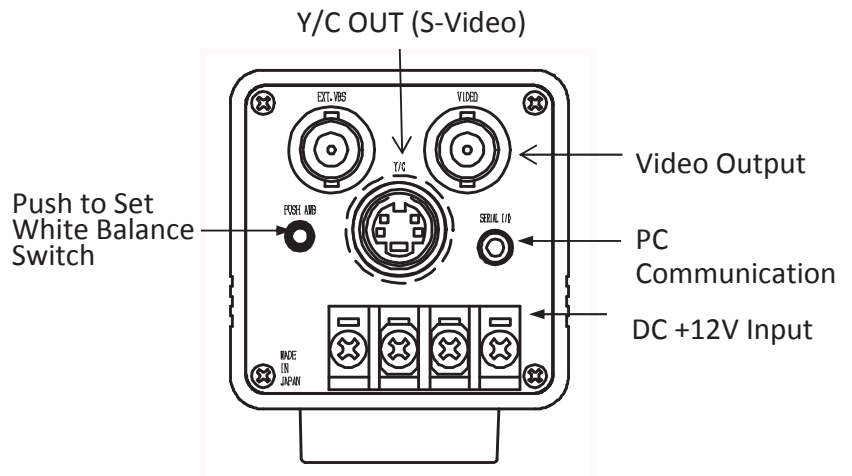
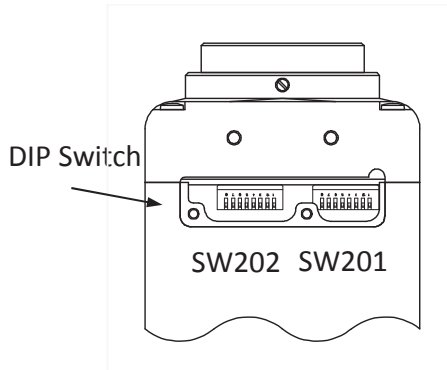
## 2.2 STC-630/635

Model Number	STC-630(NTSC)	STC-635(PAL)
Image Sensor	1/3 inch Interline CCD ICX638BKA	1/3 inch Interline CCD ICX639BKA
Active Picture Elements	768(H) x 494(V)	752(H) x 582(V)
Signal Format	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency	Horizontal Frequency 15.734kHz Vertical Frequency 59.94Hz	Horizontal Frequency 15.625kHz Vertical Frequency 50.00Hz
Sync. System	Internal / External	
Horizontal Resolution	480TV Lines	
S/N Ratio	More than 48dB (AGC=OFF)	
Video Output Format	VBS 1.0Vp-p 75Ω , Y/C	
Minimum Scene illumination	TBD lx, F1.2 (AGC=ON)	
Electronic Shutter	<b>[Dip Switch]</b> 1/60(1/50:PAL), 1/125, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 sec <b>[Auto/Control Software]</b> High Speed Shutter: 1/60(1/50:PAL), 1/125, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000, 1/100000 sec Low Speed Shutter: 1 to 256FLD(Configurable through the control software)	
White Balance	Auto / Push to Set/ Manual (Configurable through the control software)	
Auto IRIS	Non-Support	
AGC	ON / OFF	
Gamma	0.45/1.0 (Switchable, Configurable through the control software), Defalut:0.45	
Image Rotation	Normal (Default),Horizontal Flip, Vertical Flip, Horizontal Vertical Flip	
Still Image	Support	
Lens Mount	CS Mount	
Optical Filter	IR Cut Filter	
Input Voltage	DC9V~15V	
Power Consumption	TBD (170mA ± 20mA)	
Operational Temperature	TBD (-10°C - +45°C)	
Storage Temperature	TBD (-20°C - +60°C)	
Dimensions	Board Type : 45(W) x 45(W) x 30(D) mm ※1 Case Type: 51(W) x 51(H) x Approximately 60.5(D) mm ※1	
Weight	Board Type: Approximately TBD g Case Type : Approximately TBD g	

※1 Exclude connector

## 4. Description of the Back Panel

### 4.1 Cased: PWT Model



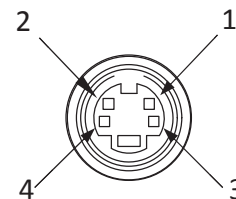
DC +12V Input

+12V Input DC 9V to15V  
Sentech Provided AC adapter : UN310-2P

Y/C OUT (S-Video)

Y/C Output

Pin 1	Y OUT(1Vp-p 75Ω)
Pin 2	C OUT(300mVp-p 75Ω)
Pin 3	GND(Y OUT)
Pin 4	GND(C OUT)



Video Output

BNC Connector (VBS 1.0Vp-p 75Ω)

External Sync(VBS)

BNC Connector, External Sync signal(VBS) input  
Internal/External Sync (automatic select)

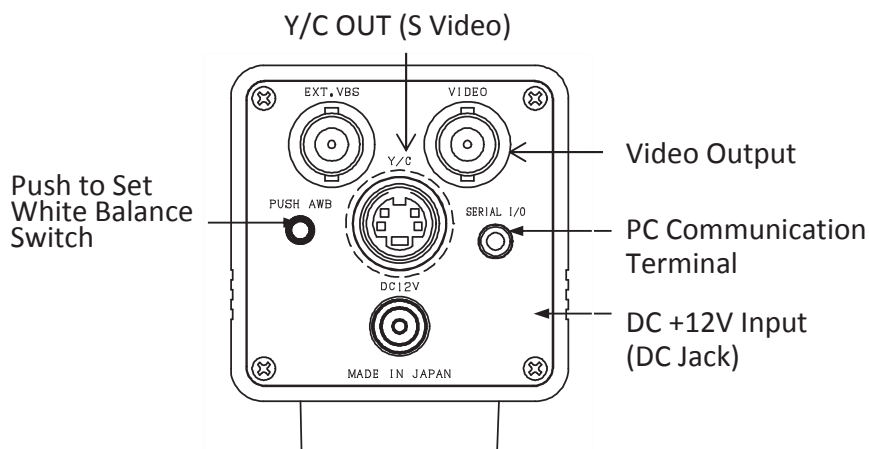
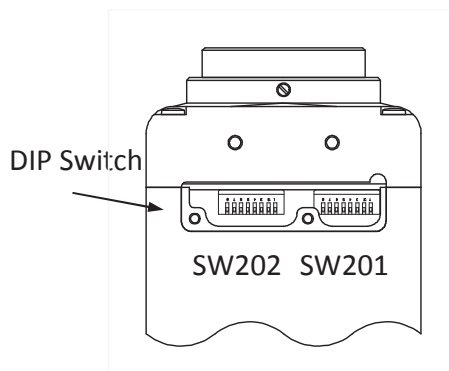
PC Communication Terminal

Configurable through Control Software" TBD" in the CD-ROM with RS-232C cable(Stereo Pin-jack / D-Sub Pin9).

DIP Switch

Please refer to Section 1.1.2 "Switch Specifications"

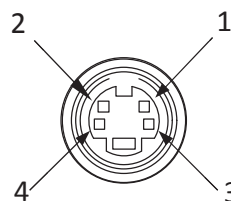
## 4.2 Cased: PWJ Model



### Y/C OUT (S-Video)

### Y/C Output

Pin 1	Y OUT(1Vp-p 75Ω)
Pin 2	C OUT(300mVp-p 75Ω)
Pin 3	GND(Y OUT)
Pin 4	GND(C OUT)



### DC +12V Input(DC Jack)

+12V DC Jack(Center Plus) DC9V to 15V  
Sentech Provided AC adapter : UN310-1210

### BNC Connector

Video Output (VBS 1.0Vp-p 75Ω)

### External Sync(VBS)

BNC Connector, External Sync signal(VBS) input  
Internal/External Sync (automatic select)

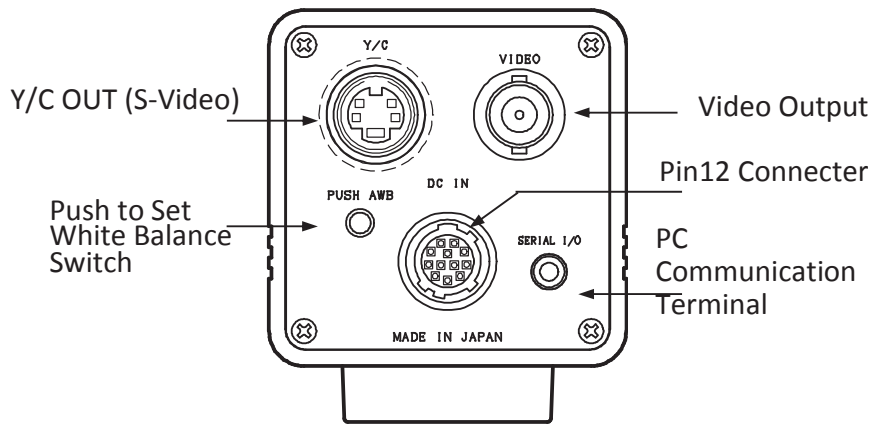
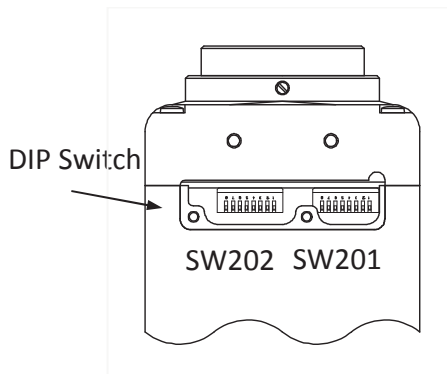
### PC Communication Terminal

Configurable through Control Software "TBD" in the CD-ROM with RS-232C cable (Stereo Pin-jack / D-Sub Pin9).

### DIP Switch

Please refer to Section 1.1.2 "Switch Specifications"

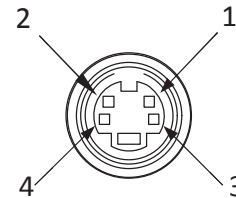
### 4.3 Cased: PWC Model



#### Y/C OUT (S-Video)

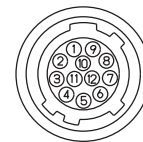
#### Y/C Output

Pin 1	Y OUT(1Vp-p 75Ω)
Pin 2	C OUT(300mVp-p 75Ω)
Pin 3	GND(Y OUT)
Pin 4	GND(C OUT)



#### Pin12 Connector

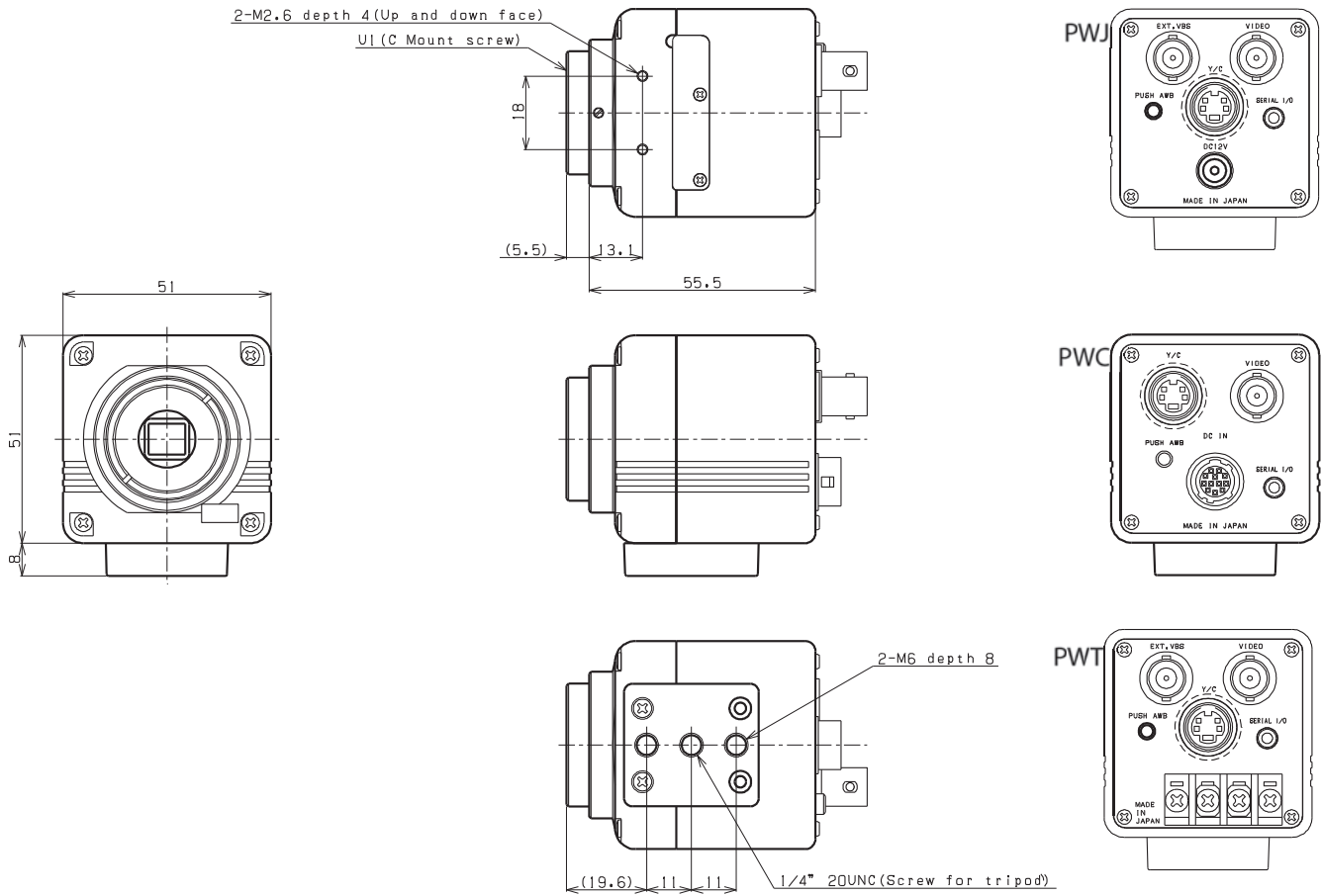
Pin 1	GND
Pin 2	+12V
Pin 3	GND
Pin 4	Y OUT
Pin 5	GND
Pin 6	EXT HD
Pin 7	EXT VD
Pin 8	GND
Pin 9	C OUT
Pin 10	GND
Pin 11	+12V
Pin 12	GND



Connector : HR10A-10R-12PB (Hirose)

## 5. Dimensions

### 5.1 Cased (C-Mount): PWT, PWJ, PWC



Unit: mm

