



CCD COLOR CAMERA

CS5260BD/CS5260BDP

Specification

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TOSHIBA TELI CORPORATION

This Instruction Manual is printed on recycled paper.

CASES FOR INDEMNITY (LIMITED WARRANTY)

We shall be exempted from taking responsibility and held harmless for damage or losses incurred by the user in the following cases.

- **In the case damage or losses are caused by fire, earthquake, or other acts of God, acts by a third party, deliberate or accidental misuse by the user, or use under extreme operating conditions.**

- In the case of indirect, additional, consequential damages (loss of business interests, suspension of business activities) are incurred as result of malfunction or non-function of the equipment, we shall be exempted from responsibility for such damages.

- In the case damage or losses are caused by failure to observe the information contained in the instructions in this instruction manual and specifications.

- **In the case damage or losses are caused by use contrary to the instructions in this instruction manual and specifications.**

- In the case damage or losses are caused by malfunction or other problems resulting from use of equipment or software that is not specified.

- In the case damage or losses are caused by repair or modification conducted by the customer or any unauthorized third party (such as an unauthorized service representative).

- **Expenses we bear on this product shall be limited to the individual price of the product.**

RESTRICTION FOR USE

- Should the equipment be used in the following conditions or environments, give consideration to safety measures and inform us of such usage:
 1. **Use of the equipment in the conditions or environment contrary to those specified, or use outdoors.**
 2. **Use of the equipment in applications expected to cause potential hazard to people or property, which require special safety measures to be adopted.**

 - This product can be used under diverse operating conditions. Determination of applicability of equipment or devices concerned shall be determined after analysis or testing as necessary by the designer of such equipment or devices, or personnel related to the specifications. Such designer or personnel shall assure the performance and safety of the equipment or devices.

 - This product is not designed or manufactured to be used for control of equipment directly concerned with human life (*1) or equipment relating to maintenance of public services/functions involving factors of safety (*2). Therefore, the product shall not be used for such applications.
 - (*1): Equipment directly concerned with human life refers to.
 - Medical equipment such as life-support systems, equipment for operating theaters.
 - Exhaust control equipment for exhaust gases such as toxic fumes or smoke.
 - Equipment mandatory to be installed by various laws and regulations such as the Fire Act or Building Standard Law
 - Equipment related to the above
 - (*2): Equipment relating to maintenance of public services/functions involving factors of safety refers to.
 - Traffic control systems for air transportation, railways, roads, or marine transportation
 - Equipment for nuclear power generation
 - Equipment related to the above
-

1. Product descriptions

The CS5260BD/BDP is a one-piece type (*) CCD color camera with a ultra-compact & light-weight body.

[*One-piece type : One integrated body made up of the camera head & the camera control unit]

2. Features

- (1) The camera is driven by DC12V.
- (2) The ultra-compact & light-weight body is best suited for observation and other applications.
- (3) The built-in automatic white-balancing function allows the user to obtain optimal white-balance just with a push on the button.

3. Configuration

- (1) The camera body 1
- (2) Accessories
 - Instruction manual (Japanese)..... 1
 - Instruction manual (English)..... 1

4. Specifications

	Model	CS5260BD	CS5260BDP
1.	TV system	NTSC	PAL
2.	Image sensor	Interline CCD	
	Total pixels	811(H) × 508(V)	795(H) × 596(V)
	Active pixels	768(H) × 494(V)	752(H) × 582(V)
	Scanning area	6.45(H) × 4.84(V)mm	6.47(H) × 4.84(V)mm
		(Equivalent to 1/2 inch optical image size)	
	Pixel size	8.4 μm(H) × 9.8 μm(V)	8.6 μm(H) × 8.3 μm(V)
	Color filter	Corrective mosaic filter (Ye, Cy, Mg, G)	
	CCD integration	Field integration (Field-electrical-charge-storage)	
3.	Scanning lines	525 lines	625 lines
4.	Scanning system	2:1 interlace	
5.	Sync system	Internal	
6.	Scanning frequency	15.734kHz(H), 59.94Hz(V)	15.625kHz(H), 50Hz(V)
7.	Aspect ratio	4:3	
8.	Sensitivity	1000 lx (F8, 3000K)	
9.	Minimum subject illumination	4 lx (F1.4, AGC ON, Output level: Approx. 50%)	
10.	Video output	VIDEO VBS :1.0 V(p-p)/75 Ω terminal, Positive	
		Y/C : 1.0 V(p-p)/75 Ω terminal, Positive	
		CHROMA: 0.286 V(p-p)/75 Ω terminal	
11.	Resolution	470 TV lines(H)	470 TV lines(H)
		350 TV lines(V)	420 TV lines(V)
12.	S/N ratio	46dB(p-p)/rms	
13.	Correction	0.45 (Fixed)	
14.	Gain (AGC)	ON/OFF selectable	
		Corrective range under ON mode : -6dB~0dB Corrective range under OFF mode : Selectable among 18dB, 12dB, 6dB, 0dB	

15.	Electronic shutter (ELC)	ON/OFF selectable Corrective range under ON setting : 0dB~60dB Under OFF mode : Refer to <i>table 5</i> 「Shutter Speed Setting」																										
16.	White balance	AUTO/HOLD one-push selectable Corrective range under AUTO mode : 2800K~6500 K																										
17.	Power source	DC12V ± 10% (Ripple voltage : 20mV(p-p))																										
18.	Power consumption	Approximately 230mA(DC12V)																										
19.	Ambient condition	Temperature:0°C~40°C Humidity: 30~85% (No condensation)																										
20.	External dimension	Refer to Ex-view of CS5260BD/BDP																										
21.	Lens mount	C mount																										
22.	Weight	Approx. 95g																										
23.	Connector for power supply/image	<p>Compatible connector HR10A-10P-12S (Manufactured by HIROSE DENKI)</p> <table border="1"> <thead> <tr> <th>Pin number</th> <th>Signal name</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>GND</td> </tr> <tr> <td>2</td> <td>+12V</td> </tr> <tr> <td>3</td> <td>GND</td> </tr> <tr> <td>4</td> <td>VIDEO OUT</td> </tr> <tr> <td>5</td> <td>GND</td> </tr> <tr> <td>6</td> <td>SI (Adjustment signal)</td> </tr> <tr> <td>7</td> <td>N.C.</td> </tr> <tr> <td>8</td> <td>C.OUT</td> </tr> <tr> <td>9</td> <td>SO(Adjustment signal)</td> </tr> <tr> <td>10</td> <td>Y.OUT</td> </tr> <tr> <td>11</td> <td>+12V</td> </tr> <tr> <td>12</td> <td>GND</td> </tr> </tbody> </table>	Pin number	Signal name	1	GND	2	+12V	3	GND	4	VIDEO OUT	5	GND	6	SI (Adjustment signal)	7	N.C.	8	C.OUT	9	SO(Adjustment signal)	10	Y.OUT	11	+12V	12	GND
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5. Attached drawings

Ex-view of CS5260BD/BDP

