

**Specification**

CCD SNAKE CAMERA	
Item NO.	MS-C499
Video system.	NTSC/PAL
Number of Effective Pixels	510X492(NTSC)
	500X582(PAL)
CCD Image Sensor	1/4" Interline CCD
Scanning System	2:1 INTERLACE
Synchronization	INTERNAL
Resolution (TV Lines)	350 TV LINE
S/N Ratio	more than 48dB
Minimum Illumination	0.2 Lux / F 1.2
Electronic Shutter	1/50 - 1/120000
Horizontal Sync Frequency	NTSC(EIA)-15.734kHz / PAL(CCIR)-15.625kHz
Vertical Sync Frequency	NTSC(EIA)-60Hz / PAL(CCIR)-50Hz
Gamma Consumption	0.45
Video Output	1Vp-p , 75ohms Composite
Audio Output	Frequency 20-16000Hz,S/N ratio more than 63dB SPL(at 1000Hz)(Ordering in advance)
Audio Standard	Frequency 20-16000Hz,S/N ratio more than 58dB
Built-In Lens	3.1mm/F3.4
Storage Temperature	-30 to 60 Degree C
Working Temperature	-10 to 45 Degree C
Power Source	DC 12V(standard)
Power Current	70mA(max)
Dimensions	Lens: $\varnothing$ 14.5x9.6 , Board:29x29x7

**Snake CCD Camera**



MS-C499

**Ordering Information**

MODEL	PIN HOLE	MIC	NOTE
MS-C499-3C	3.7mm / F2.0		1/4" CCD M.RES
MS-C499-4C	4.3mm / F2.0		1/4" CCD M.RES
MS-C499-3F	3.7mm / F2.0		1/4" CCD M.RES
MS-C499-4F	4.3mm / F2.0		1/4" CCD M.RES
MS-C499-3T	3.1mm / F2.0		1/4" CCD M.RES
MS-C499-4T	3.9mm / F2.0		1/4" CCD M.RES
MS-C499A-3C	3.7mm / F2.0	●	1/4" CCD M.RES
MS-C499A-4C	4.3mm / F2.0	●	1/4" CCD M.RES
MS-C499A-3F	3.7mm / F2.0	●	1/4" CCD M.RES
MS-C499A-4F	4.3mm / F2.0	●	1/4" CCD M.RES
MS-C499A-3T	3.1mm / F2.0	●	1/4" CCD M.RES
MS-C499A-4T	3.9mm / F2.0	●	1/4" CCD M.RES
MS-C499AD-3C	3.7mm / F2.0	●(H-S)	1/4" CCD M.RES
MS-C499AD-4C	4.3mm / F2.0	●(H-S)	1/4" CCD M.RES
MS-C499AD-3F	3.7mm / F2.0	●(H-S)	1/4" CCD M.RES
MS-C499AD-4F	4.3mm / F2.0	●(H-S)	1/4" CCD M.RES
MS-C499AD-3T	3.1mm / F2.0	●(H-S)	1/4" CCD M.RES
MS-C499AD-4T	3.9mm / F2.0	●(H-S)	1/4" CCD M.RES

**NOTE:**

1/4" CCD **M.RES.** : **M**: Medium resolution ; **H**: High resolution  
MS-C499**A**: **A**: W/Microphone ; **AD**: High sensitivity Microphone

**Specification**

CCD SNAKE CAMERA	
Item NO.	CS-100
Video system.	NTSC/PAL
Number of Effective Pixels	510X492(NTSC)
	500X582(PAL)
CCD Image Sensor	1/4" Interline CCD
Scanning System	2:1 INTERLACE
Synchronization	INTERNAL
Resolution (TV Lines)	350 TV LINE
S/N Ratio	more than 48dB
Minimum Illumination	1.5 Lux / F 2.0
Electronic Shutter	1/50 - 1/96000
Horizontal Sync Frequency	NTSC(EIA)-15.734kHz / PAL(CCIR)-15.625kHz
Vertical Sync Frequency	NTSC(EIA)-60Hz / PAL(CCIR)-50Hz
Gamma Consumption	0.45
Video Output	1Vp-p , 75ohms Composite
Audio Output	Frequency 20-16000Hz,S/N ratio more than 63dB SPL(at 1000Hz)(Ordering in advance)
Audio Standard	Frequency 20-16000Hz,S/N ratio more than 58dB
Built-In Lens	4.0mm/F2.6
Storage Temperature	-30 to 60 Degree C
Working Temperature	-10 to 45 Degree C
Power Source	DC 5V(standard)
Power Current	125mA(max)
Dimensions	Lens: $\varnothing$ 11x11x18 , Board:29x29x7

**Snake CCD Camera**



CS-100

**Ordering Information**

MODEL	PIN HOLE	NOTE
CS-100	4.0mm / F2.0 CONE	1/4" CCD M.RES
CS-100-3C	3.7mm / F2.0 CONE	1/4" CGD M.RES
CS-200	4.0 mm / F2.6 FLAT	1/4" CCD M.RES
CS-200-3C	3.7mm / F2.0 CONE	1/4" CCD M.RES

**NOTE:**

1/4" CCD **M.RES.** : **M**: Medium resolution ; **H**: High resolution