CVC6146SCS Series

540 Line Color Dome Camera Wall & Ceiling Mountable



Please read this manual thoroughly before operation and keep it handy for further reference.

WARNING & CAUTION

				I
	Â	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN		
	CAUTION :	TO REDUCE THE RISK OF DO NOT REMOVE COV NO USER SERVICEABL REFER SERVICING SERVICE PERSONNEL.	/ER (OR BACK). E PARTS INSIDE TO QUALIFIED	
	Intended to alert within the product	h with an arrowhead symb the user to the presence of t's enclosure that may be of shock to persons	of un-insulated "dang	erous voltage"
	to the presence	point within an equilateral to of important operating and re accompanying the a	I maintenance (servir	
limits for a These limits Interference This equipme if not installe Harmful inter residential	class a digit are designed When the event generates, ed and used in rference to rac area is lik	pment has been tester tal device Pursuant f d to provide reasonat quipments operated i , uses, and Can Radia n accordance with the dio communications. Op kely to cause harm uired to correct the inf	to part 15 of th ole protection ag n a commercial tte radio frequence instruction manual peration of this en oful interference	e FCC rules. ainst harmful environment. cy energy and al, may Cause quipment in a ce in which
	0	ication not expressly appro ate the equipment	oved by the manufac	cturer could void
	•	shock and risk of fire hazar	ds.	
		er than that specified.		
DO NOT expos	se this appliance t	to rain or moisture.		

This installation should be made by a qualified service person and should conform to all local codes.

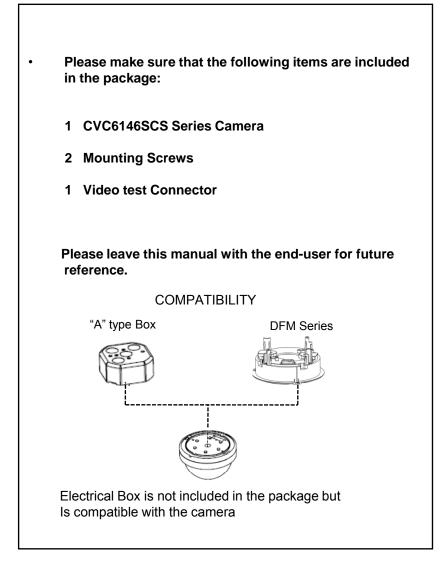
Contents

Package Contents]
Precautions] 4
Camera Installation]
Internal Components] 6
Features]
OSD]9

Operating Your Camera

SET UP		10
SET UP LENS		10
SHUTTER SPEED CONTROL		10
BACK LIGHT		10
AUTO GAIN (AGC)		10
WHITE BALANCE		11
CAMERA TITLE		11
MIRROR		12
DAY/NIGHT/SYNC		12
MOTION DETECTION		12
PRIVACY		
GAMMA		13
RESET		-
ADJUST		13
EXIT		13
Specifications		14
Dimensions		15
	1	
Warranty		16

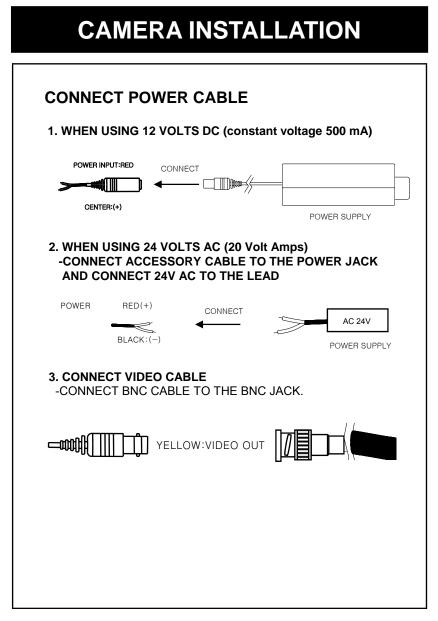
PACKAGE CONTENTS



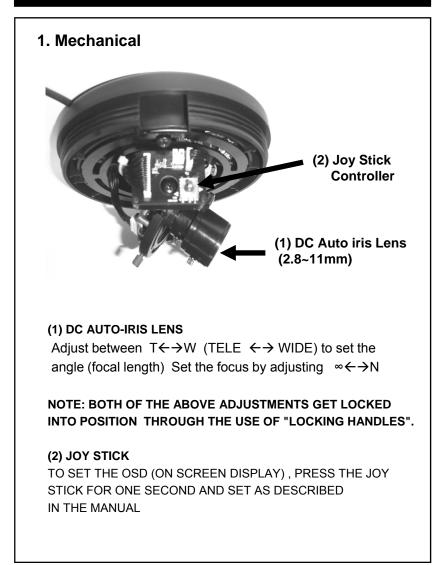
З

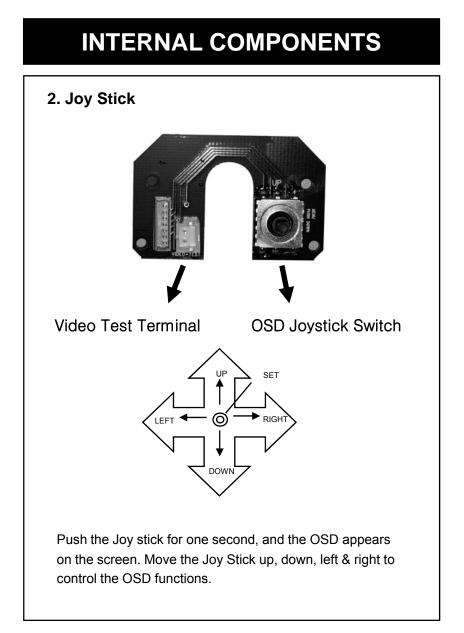
PRECAUTIONS

•	THIS DOME CAMERA SHOULD BE ONLY INSTALLED BY QUALIFIED PERSONNEL
•	TO PREVENT A FIRE OR ELECTRICAL HAZARD PLEASE USE PROPER POWER CABLE
•	THE DOME COVER SHOULD BE TREATED WITH CARE. DO NOT CLEAN THE COVER WITH AN ABRAISIVE CLEANING MATERIAL - PLEASE USE A SOFT CLOTH OR TISSUE TO CLEAN THE DOME COVER
•	THERE ARE NO USER-SERVICEABLE PARTS INSIDE. PLEASE DO NOT DISASSEMBLE THIS CAMERA OTHER THAN TO MAKE INITIAL ADJUSTMENTS
•	PLEASE USE A UL APPROVED REGULATED 24 VOLT AC OR 12 VOLT DC POWER SUPPLY
•	PLEASE USE APPROPRIATE LOW VOLTAGE POWER CABLE TO PREVENT FIRE OR ELECTRICAL SHOCK
•	PLEASE INSURE THAT YOUR INSTALLATION AREA CAN SUPPORT THE WEIGHT OF THE CAMERA
•	PLEASE HANDLE THIS CAMERA CAREFULLY: - DON'T USE A STRONG OR ABRASIVE DETERGENT WHEN CLEANING THE CAMERA. - DO NOT EXPOSE THE CAMERA TO DIRECT SUN



INTERNAL COMPONENTS







BLC

When the image is in front of strong background lighting, your camera allows you to get a clear image.

High Resolution

Horizontal resolution of 540 TV lines is achieved by using a SONY Double Speed CCD with 410,000 pixels, yielding pictures with a high S/N ratio.

OSD

All camera functions are menu driven for easy use.

ELECTRONIC DAY/NIGHT

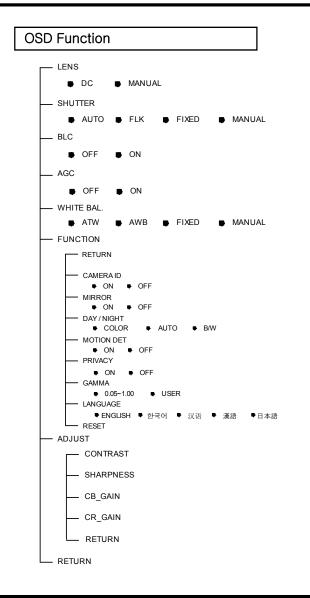
The camera can show color pictures in all lighting conditions, or you can have it automatically switch to a B/W picture in low light conditions

Motion Detection

Built in motion detector with adjustable areas of coverage will flash a warning on the screen when motion is detected.



Operating your camera



Operating your camera – SETUP

1) LENS <DC / MANUAL>

Selects Lens Type.

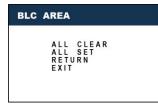
2) SHUTTER

<AUTO / FLK / FIXED / MANUAL>

Adjusts shutter settings. Flicker-less mode (FLK) reduces on-screen flickering. Electronic Shutter Control (AUTO) adjusts brightness level on screen. Manual mode allows you to adjust the shutter speed from1/60~1/120,000 of a second (NTSC), or 1/50~1/100,000(PAL). FLK is the only option available when the camera lens is set to the recommended DC mode.

3) BLC

<ON / OFF>



Provides light level control to overcome severe backlighting conditions.

4) AGC

<ON / OFF>

Adjusts value of AGC gain. Increase the GAIN level to brighten the picture. (noise / distortion may develop)

5) WHITE BAL.

<ATC / AWB / FIXED / MANUAL>

Controls color on the screen.
Select Auto Tracking White Balance (ATW) when the color
temp. is 2400°K~12000°K (for example when under a fluorescent
light or outdoors).
Manual mode allows you to increase or decrease the red
or blue factor on screen.
Auto White Balance Control (AWC) automatically adjusts
the white balance to your specific environment.

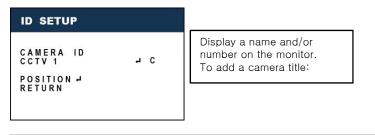
6) FUNCTION

(6-1) RETURN

Return to the main SETUP menu.

(6-2) CAMERA ID

<OFF / ON>



CAMERA ID : Select character by moving joystick up and down. C = Delete the entire name and start again. POSITION = Position the camera title on the screen.

Push down the button to set the position.

(6-3) MIRROR

<ON / OFF>

Produce a horizontal mirror image on screen.

(6-4) DAY / NIGHT <auto / Color / BW>

AUTO = Automatically detect color or black/white. Delay – When the Day & Night function starts or stops (0~15sec) Start Level – Set the brightness level where the Day & Night function start to operate End Level – Set the brightness level where the Day & Night function stops operate COLOR = Full time color mode B/W = Full time B/W mode

(6-5) MOTION DET <ON / OFF>

AREA	
MOTION TH. 037 MOTION TRACE OFF RETURN	ALL CLEAR ALL SET RETURN EXIT

AREA = Select motion detection area.

MOTION TH = Select low luminous motion threshold value. MOTION TRACE = Display motion trace.

(6-6) PRIVACY <ON / OFF>

AREA SEL	AREAO
AREA STATE	O N
	150
	170
RIGHT	
ТОР 💻	029
воттом	056
COLOR	006
RETURN	

AREA SEL = Select a motion detection grid (top left, top ,right, bottom left, bottom right) to modify. AREA STATE = Activate or deactivate the selected grid. LEFT/RIGHT/TOP/BOTTOM = Alter the dimensions of the selected grid. COLOR = Select color of privacy area.

(6-7) GAMMA <ON / USER>

Sharpen the image on screen. Excessive sharpening may cause picture noise.

(6-8) LANGUAGE (English / 한국어 / 汉语/漢語 / 日本語)

Choose language that should be displayed.

(6-9) RESET

Restore all factory default settings.

7) ADJUST

Adjust level of sharpness / contrast / CB_Gain / CR_Gain.

8) EXIT(SAVE)

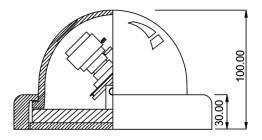
Save OSD settings and exit the SETUP menu.

SPECIFICATIONS

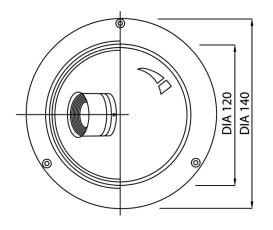
ITEM	CVC6146SCS Series	
Power Source	DC12V & AC24V (Dual Voltage)	
Image Sensor	1/3", SONY SUPER HAD CCD, 410,000 pixels	
Effective Pixels	755(H) x 582(V) , 1/3" CCD	
Maximum Aperture Ratio	1:1.3~2.0	
Scanning System	2 : 1 Interlaced 525 Lines / 60Fields / 30Frames	
Video Output	1.0V [p-p] Composite, 75Ω	
Resolution	540 TV Line	
Back Light Compensation	AUTO / OFF	
Gain Control	ON / OFF	
Electric Shutter Speed	1/50 ~ 1/100,000 sec	
WHITE BALANCE	W-ATW / FIXED / AWB / MANUAL	
Min. Illumination	0.3Lux (F1.3)	
S/N (Y signal)	50dB (Weight On)	
Motion Detection	MD64 / OFF	
On Screen Display	Built - in	
PRIVACY Function	ON / OFF (4 Programmable Zone)	
Operational Temperature	-10℃ ~ +50℃ (14°F ~122°F)	
Operational Humidity	30% ~90% RH	

DIMENSIONS

* SIDE VIEW



*** TOP VIEW**



WARRANTY

speco	technol	ogies
L	IMITED WARRAN	тү
THIS WARRANTY IS VALID ONLY ON PRODUCTS F THIS WARRANTY APPLIES ONLY TO THE ORIGINA	PURCHASED AND USEI	IN THE UNITED STATES OF AMERICA.
SUBJECT TO CONDITIONS AND EXCLUSIONS FOU DEFECTS IN MATERIAL AND WORKMANSHIP FOR		DUCT IS WARRANTED AGAINST MANUFACTURING IOD FOR PARTS AND LABOR:
SPECO TECHNOLOGIES SPECO TECHNOLOGIES BALANCE OF SPECO TE * IR LEDs.Timo lapso VCI	MONITORS: CHNOLOGIES LINE:	5 YEARS I YEAR 1 YEAR teads: 90-DAYS
SPECO TECHNOLOGIES WILL REPAIR OR REPLAC WARRANTY PERIOD SPECIFIED. WE WILL PROVID		ON) ANY PARTS FOUND TO BE DEFECTIVE FOR TH DR ANY DEFECTIVE PART.
	CONDITIONS	
1.YOU MUST OBTAIN A RETURN AUTHORIZA SPECO TECHNOLOGIES, WHETHER FOR F WARRANTY.		
2. THIS WARRANTY WILL BE HONORED ONLY UPON PR	ESENTATION OF THE ORI	GINAL DATED BILL OF SALE OR SALES SLIP.
3. TRANSPORTATION OF THE PRODUCT TO OUR SERVI REPAIRED OR REPLACED PRODUCT WILL BE RETURN		
	EXCLUSIONS	
 THIS WARRANTY SHALL NOT COVER ADJUSTMENT O MODEL'S INSTRUCTION MANUAL OR PRODUCTS WHI NUMBERS. 	F CUSTOMER OPERATED	CONTROLS AS EXPLAINED IN THE APPROPRIATE ABUSED, OR HAVE MISSING OR ALTERED SERIAL
2. THIS WARRANTY SHALL NOT APPLY TO UNCRATING, OF PRODUCTS AFTER REPAIR.	SETUP, INSTALLATION, O	R THE REMOVAL AND REINSTALLATION
 THIS WARRANTY SHALL NOT APPLY TO REPAIRS OR MANUFACTURE INCLUDING, BUT NOT LIMITED TO, AN UNAUTHORIZED SERVICE OR PARTS, IMPROPER MA ACCIDENT, FIRE, FLOOD, OR OTHER ACTS OF NATUP PICTURE TUBES CAUSED BY OR ATTRIBUTABLE TO T CAUSED TO IMAGE PICKUP DEVICES BY EXCESSIVE 	NY MALFUNCTION, DEFEC INTENANCE, MODIFICATI- RE, INCORRECT LINE VOL THE USE OF ANY ACCESS	TS OR FAILURE CAUSED BY OR RESULTING FROM ON OR REPAIR BY THE USER, ABUSE, MISUSE, NEGLEC' TAGE, DAMAGE OR IMAGE BURNS TO TELEVISION
THE FOREGOING IS IN LIEU OF ALL OTHER EXPRESS ASSUME FOR US ANY OTHER OBLIGATION OR LIABIL CONSEQUENTIAL DAMAGES ARISING FROM THE USE	ITY. IN NO EVENT SHALL OF THIS PRODUCT, OR	WE BE LIABLE FOR INCIDENTAL OR
PRODUCT DUE TO CAUSES BEYOND OUR CONTROL		
SOME STATES DO NOT ALLOW LIMITATIONS OF HOW EXCLUSION OF LIMITATION OF CONSEQUENTIAL DAI CONSEQUENTIAL DAMAGES MAY NOT APPLY TO YOU	MAGES. THE ABOVE LIMIT	ANTY LASTS AND/OR DO NOT ALLOW THE ATIONS ON IMPLIED WARRANTY AND
THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHT	S. YOU MAY HAVE OTHER	RIGHTS WHICH VARY FROM STATE TO STATE.
NOTE: FOR YOUR PROTECTION IN THE EVENT OF THE BELOW AND RETAIN WITH YOUR SALES RECEIPT.	FT OR LOSS OF THIS PRO	DUCT, PLEASE FILL IN THE INFORMATION REQUESTED
MODEL NO .:	SERIAL NO.	
(LOCATED ON BACK OR BOTTOM OF UNIT)		
DATE OF PURCHASE:		
WHERE PURCHASED:	PURCHASE	PRICE:
Speco Technologies 200 NEW HIGHWAY AMITYVILLE, NY 11701 www.specotech.com	SERVI	ORE INFORMATION REGARDING CE OR RETURN, CALL US REE: 1-800-645-5516 IN METRO NY: 631-957-8700

MEMO



200 New Highway

Amityville, NY 11701

631-957-8700

www.specotech.com

Rev. 100125

Speco Technologies is constantly developing product improvements. We reserve the right to modify product design and specifications without notice and without incurring any obligation.