



NUVICO EasyView™

Indoor & Vandalproof Dome Cameras



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SD Series w/ 36 LEDs



Flush Mount Housing



Wall Mount

NUVICO®

INSTALLATION MANUAL

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About This Manual

Before installing and using the camera, please read this manual carefully. Be sure to keep it handy for later use. This installation manual covers the following models listed below. Any difference in features for these models are indicated where necessary.

Note: Installation of this product should be made by a qualified technician and should conform to all local codes.

Available Models

H Series		High Resolution	
CD-H266	CD-H3895	CD-H922	
CV-H266	CV-H3895	CV-H922	
SD Series		550 TV Lines • Day/Night • IR LEDs	
CD-SD266	CD-SD3895	CD-SD922	CD-SD3895-L
CV-SD266	CV-SD3895	CV-SD922	CV-SD3895-L
WD Series		High Resolution • WDR • Day/Night	
CD-WD266	CD-WD3895	CD-WD922	
CV-WD266	CV-WD3895	CV-WD922	
Accessories			
CV-WM	Wall Mount Bracket for EasyView Domes		
CV-FH-V	Fan & Heater for EasyView Vandalproof Domes		
CA-SMC30	Service Monitor Cable for EasyView Domes		

Contents

- 1. Camera
- 2. Assembly & Mounting Accessories
- 3. Installation Manual
- 4. Mounting Template

How to Open the Gimbal Cover

EasyView Dome Cameras have vari-focal lens integrated inside the Gimbal. If you require to make focal/focus adjustments, the Gimbal cover needs to be removed temporarily. If lens adjustments are not necessary, skip to page-11.

Step-1

As shown below, hold the Gimbal base firmly in place with one hand.

Step-2

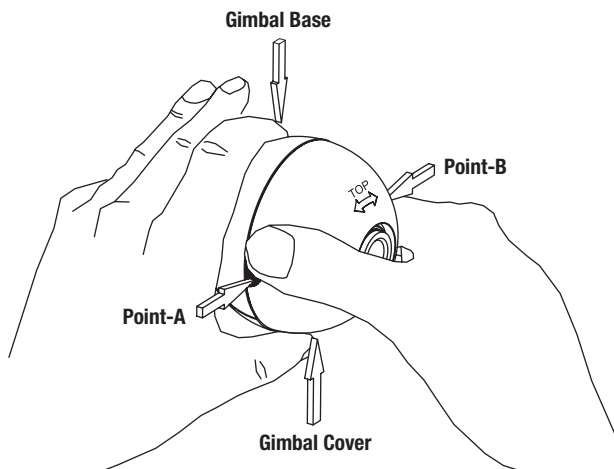
Gently press Points A & B with other hand and pull the Gimbal cover off.

Step-3

Make necessary lens adjustments. Refer to page-10.

Step-4

Replace the Gimbal cover by gently pressing back onto the Gimbal base.



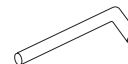
Assembly & Mounting Accessories

• Torx Wrench - For Vandalproof Domes

Model #: T20

Length: 2 1/2"

Thickness: 1/8"



• Assembly Screws - For Vandalproof Domes

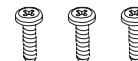
These screws are used to affix dome cover to flush housing.

Model #: Philips M4x10

Qty: 3

Length: 10mm

Thickness: 4mm



• Assembly Screws - For Indoor Domes

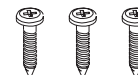
These screws are used to affix dome cover to flush housing.

Model #: Philips ST4x12

Qty: 3

Length: 12mm

Thickness: 4mm



• Mounting Screws - For Vandalproof & Indoor Domes

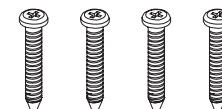
These Screws are used to mount both surface mount plate or flush housing to a sturdy surface. If necessary, use the anchors included in the package.

Model #: Philips ST4x30

Qty: 4

Length: 30mm

Thickness: 4mm

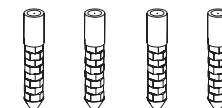


• Anchors - For Vandalproof & Indoor Domes

Qty: 4

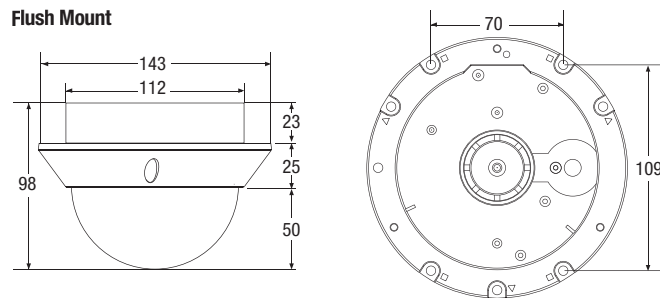
Length: 30mm

Thickness: 6mm

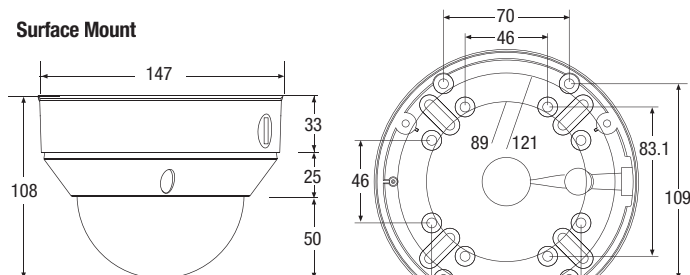


Dimensions (UNIT: mm)

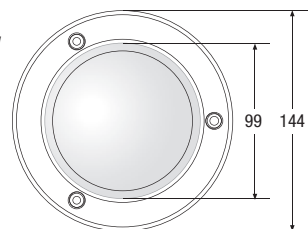
Flush Mount



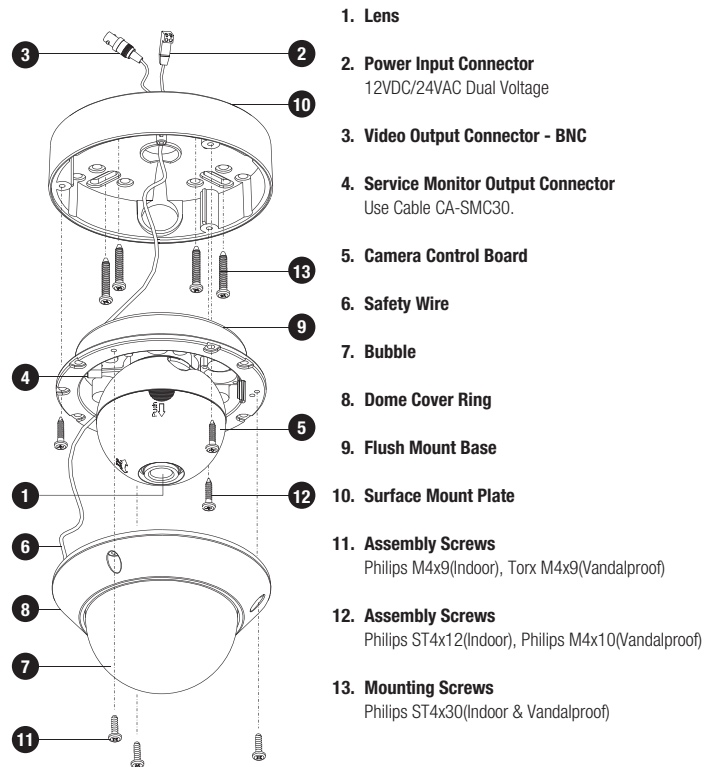
Surface Mount



Top View



Parts Name and Descriptions



REMINDER

Do not aim the camera directly into the sun.

Base Installations

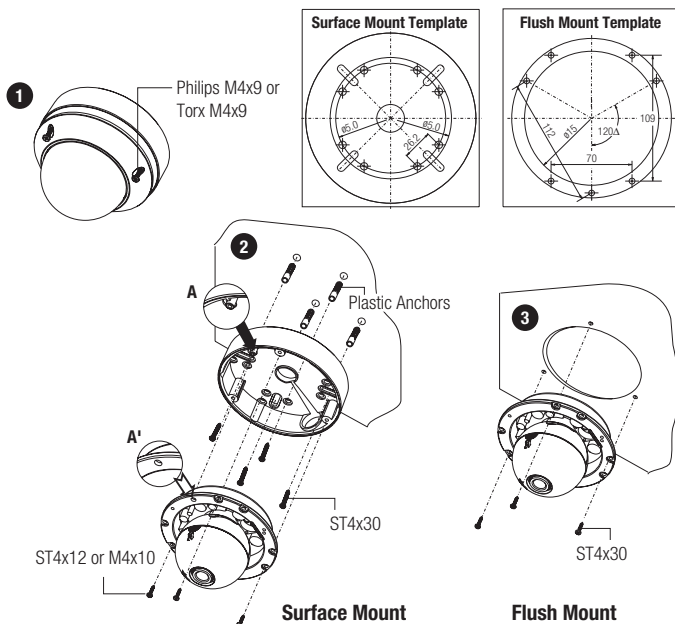
1. Remove dome cover by loosening 3 screws. For indoor domes, use standard Philips screw driver. For vandalproof domes, use Torx wrench provided with the package.

2. Surface Mount:

Using four ST4x30 screws, mount surface plate to a sturdy surface. Using three ST4x12(Indoor) screws or M4x10(Vandalproof) screws, affix flush mount base to surface plate.(For flush mount application, disregard this section)

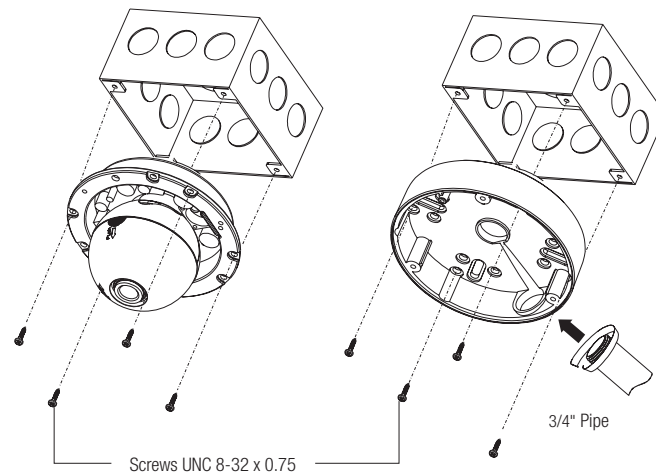
3. Flush Mount:

Using four ST4x30 screws, affix flush mount base to a sturdy surface.



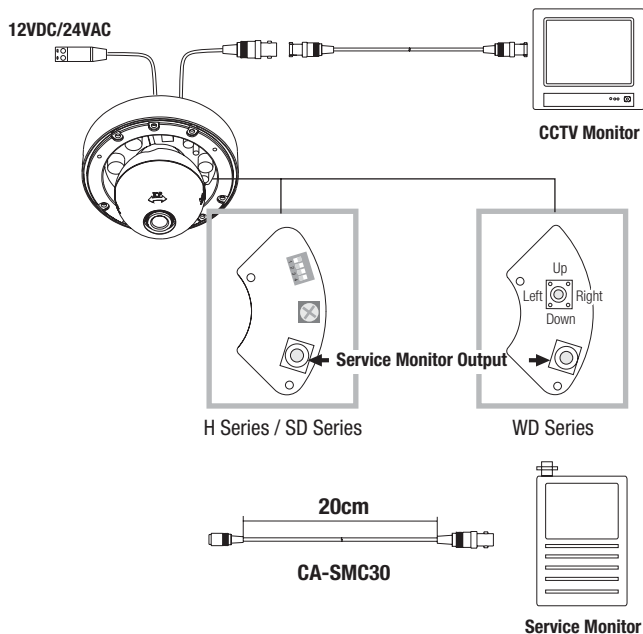
Mounting Housings to Electrical Junction Boxes

Either flush mount or surface mount application, pre-drilled mounting holes on EasyView Domes accommodate various electrical junction boxes, making installation easy and less time consuming.



Note: Screws required for electrical junction boxes are not supplied with the package. These screws are readily available at local electrical supply stores.

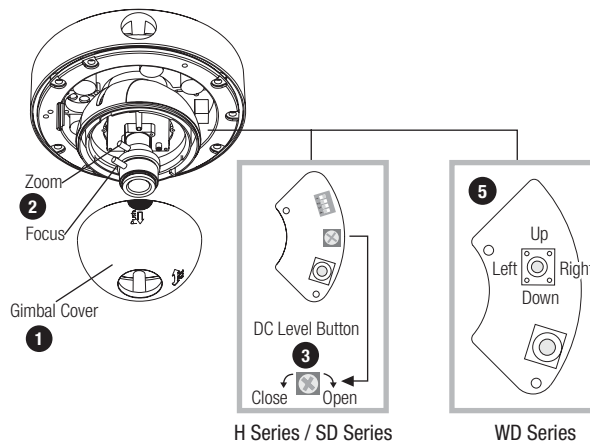
Connections



- Power connection - Requires 12VDC or 24VAC input depending on camera model.
- All camera model are supplied with second video output on the camera module. To use this feature along with a service monitor, second monitor cable/connector (**Part# CA-SMC30**) is required. Contact your distributor or NUVICO Sales Department for further information.

Vari-focal, DC Auto Iris Lens Adjustments

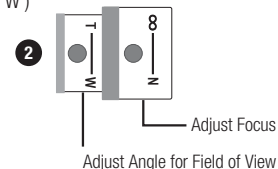
- 1 Remove the Gimbal cover from the Gimbal base.



- 2 Loosen Zoom & Focus screws and make necessary adjustments as shown.

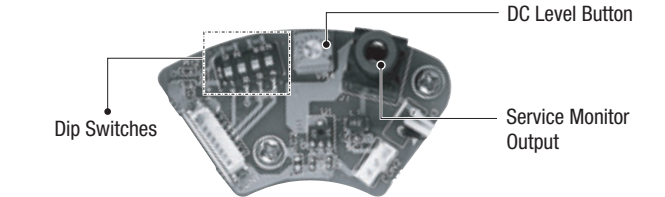
Field of View: Telephoto (T) to Wide (W)

Focus: Near (N) to Infinity (∞)



- 3 If the picture is too bright or too dark, adjust the DC Level by turning left or right. On WD Series, use the OSD Menu using the mini joystick board.
- 4 Replace the Gimbal cover back to the Gimbal base.
- 5 Please refer to Page 12 of this manual for further instructions.

Dip Switch Adjustments



H Series High Resolution



DIP Switch Functions	1	2	3	4
DC Auto Iris Lens	ON			
Electronic Iris	OFF			
Flickerless On (1/100sec)		ON		
Flickerless Off		OFF		
Mirror Mode On			ON	
Mirror Mode Off			OFF	
BLC On				ON
BLC Off				OFF

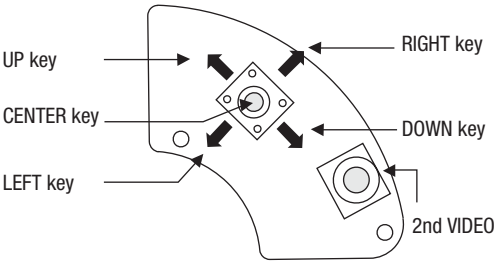
SD Series 550TV Lines • Day/Night • IR LEDs



DIP Switch Functions	1	2	3	4
ICR Switch Time(2~3 sec.)	ON			
ICR Switch Time(4~5 sec.)	OFF			
Flickerless On (1/100sec)		ON		
Flickerless Off		OFF		
BLC On			ON	
BLC Off			OFF	
ATW				ON
AWC				OFF

WD Series OSD Menu Instructions

WD Series High Resolution • WDR • Day/Night



Use the five key on switch board of the camera.

WD Series OSD Menu Instructions

Menu & Setting Details

	Main Menu
SETUP ID	•DISPLAY ID : ON or OFF
	•CAMERA ID : 12 CHARACTER
	•ID POSITION : UP-LEFT or UP-CENTER or UP-RIGHT DWN-LEFT or DWN-CENTER or DWN-RIGHT
LENS	•MANUAL
	•DC : LEVEL (Range -42 to +20)
WDR	•LEVEL (Range -20 to +20)
WB CONTROL	•ATW
	•AWB : PUSH&LOCK
	•MANUAL : LEVEL (Range 2,500K to 9,500K)
AGC	•OFF
	•ON : LEVEL (Range 0 to 38)
LOW LIGHT	•SLOW SHUTTER : AGC LEVEL (Range 0 to 38) Max. Field : X2, X4, X8, X16, X32
	•B&W SS
	•GAIN
SYNC	•INTERNAL
	•LINE LOCK : PHASE ADJUST (Range 0 to 620)
DAY / NIGHT	•AUTO : COLOR -> BW LEVEL (Range 20 to 31) B/W -> COLOR LEVEL (Range 0 to 10)
	•COLOR
	•B/W
EXIT	•EXIT NO CHANGES
	•SAVE NEW AND EXIT
	•RESTORE FACTORY SETTINGS
	•VERSION INFORMATION

WD Series OSD Menu Instructions

OSD Menu Control

CENTER KEY - Used to access menu mode, Also used to confirm the setting
UP / DOWN KEY - Used to choose the desired menu selection.

LEFT / RIGHT KEY - Used to choose the desired menu feature adjustment.

OSD Menu ENTER / EXIT

A. OSD MENU ENTER

- Pushing Center Key for 3 seconds

B. OSD MENU EXIT

- Press EXIT Menu from Main Menu
- When the Center Key is pressed more than 3 seconds from the Main Menu, it will automatically exit.

C. 'SAVE' and 'QUIT'

- Left or Right Key - Selecting Menu
- Up or Down Key - Returning to Menu

1. Press the SET key, Press the CENTER Key.
2. Select the desired feature using the UP or DOWN key.
3. Change the status of the selected feature using the LEFT or RIGHT key.

WD Series OSD Menu Instructions

Main Menu

A. SETUP ID

- **DISPLAY ID**
 - ON : The ID name will be displayed in the monitor.
 - OFF : The name will not displayed in the monitor.
- **CAMERA ID** : It can be written to 12 characters.
- **ID POSITION** : Select on screen position of the camera ID.

B. LENS

- **MANUAL** : Use When using Manual lens.
- **DC** : You can control the brightness of the screen and adjust the desired DC level from -40 to 20.

C. WDR

- **WDR (Wide Dynamic Range)**
You can adjust the desired WDR level from -20 to 20.

D. WB CONTROL

- **ATW (Auto Tracking White Balance)**
The camera automatically control the white balance in any environment.
- **AWB (Auto White Balance)**
Opens the PUSH AWB CONFIRM screen where you save your AWB settings to have them take effect or select CANCEL.
Auto white balance ensures that color integrity is maintained.
- **MANUAL**
Users can adjust the colors by adding or reducing the WB level.
You can adjust the desired WB level from 2,500K to 9,500K

E. AGC

- **ON** : Activate automatic gain control feature.
You can adjust the desired AGC level from 0 to 38dB.
- **OFF** : Deactivate automatic gain control feature.

WD Series OSD Menu Instructions

F. LOW LIGHT

- **SLOW SHUTTER** : Control Image brightness by adjusting the shutter speed
 - AGC : shutter speed setting(Range 28 to 48)
 - MAX FIELD : Shutter open from Min. x2 to Max. x32 filed accumulation period.
- **B&W SS (Black and White Slow Shutter)**
- **GAIN** : To get brighter picture.

G. SYNC

- **INTERNAL** : Internal synchronization
- **LINE LOCK** : Phase adjustment may be necessary in multiple camera installations to prevent picture roll when switching between cameras

H. DAY/NIGHT

- **AUTO** : For automatic switchover from Color mode to B/W mode.
- **B/W** : Retain a B/W image at all times
- **COLOR** : Retain a Color image at all times

I. EXIT MENU

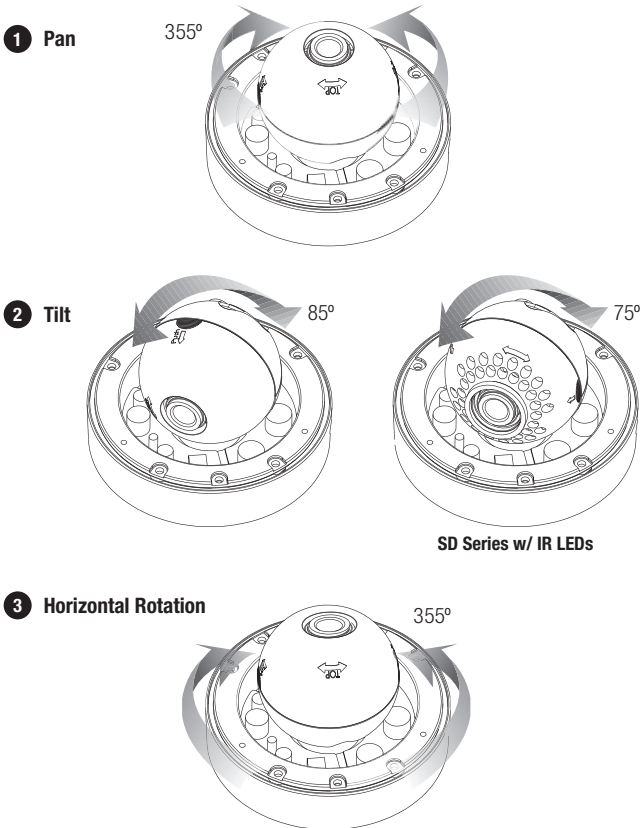
- **EXIT NO CHANGES** : No change
- **SAVE NEW AND EXIT** : Save change
- **RESTORE FACTORY SETTINGS** : Factory default
- **SW REV**

J. PREVIOUS PAGE

- **PREVIOUS PAGE** : Return page

3-Axis Gimbal Adjustments

The Gimbal mechanism yields maximum rotation and placement as shown below.



Specifications

H Series

Indoor Color Dome Cameras

CD-H266 CD-H3895 CD-H922

Vandalproof Color Dome Cameras

CV-H266 CV-H3895 CV-H922

Item	H Series	
Video Formats	NTSC	PAL
Image Sensor	1/3" SONY CCD	
Sync System	Internal	
Scanning system	525 Lines, Interlaced	625 Lines, Interlaced
Electronic Shutter	1/60 ~ 1/100,000	1/50 ~ 1/100,000
Main Video Output	1.0 Vp-p Composite, 75 ohm	
Service Monitor Output	1.0 Vp-p Composite, 75 ohm	
Horizontal Resolution	480 TV Lines	
Min. Illumination	0.1 Lux	
S/N Ratio	More than 48dB(AGC Off)	
Lens Options (DC Auto Iris)	Vari-focal: 2.6~6mm, 3.8~9.5mm, 9~22mm	
Auto Iris Control	DC Level Button	
Camera Control & Setup	Dip Switches	
	Auto Iris / ESC	
	FLC On / FLC Off	
	Mirror On / Mirror Off	
	BLC On / BLC Off	
Operating Temperature	-5°C ~ +45°C	
Operating Humidity	Within 90% RH	
Weatherproof	IP66(Only applies to Vandalproof Housing)	
Power Consumption	500mA	
Power Requirement	12VDC/24VAC Dual Voltage	

• Must use specified and regulated 12VDC/24VAC power supply.

Specifications are subject to change without any prior notice.

Specifications

SD Series

Indoor Color Dome Cameras

CD-SD266 CD-SD3895 CD-SD922 CD-SD3895-L

Vandalproof Color Dome Cameras

CV-SD266 CV-SD3895 CV-SD922 CV-SD3895-L

Item	SD Series	
Video Formats	NTSC	PAL
Image Sensor	1/3" SONY CCD	
Sync System	Internal	
Scanning system	525 Lines, Interlaced	625 Lines, Interlaced
Electronic Shutter	1/60 ~ 1/100,000	1/50 ~ 1/100,000
Main Video Output	1.0 Vp-p Composite, 75 ohm	
Service Monitor Output	1.0 Vp-p Composite, 75 ohm	
Horizontal Resolution	550 TV Lines(Color), 600 TV Lines(B/W)	
Min. Illumination	0.1 Lux(Color), 0.03 Lux(B/W)	
S/N Ratio	More than 48dB(AGC Off)	
Day/Night Function	ICR	
36 IR LEDs (Option)	LED Distance: upto 100 ft.	
Lens Options (DC Auto Iris)	Vari-focal: 2.6~6mm, 3.8~9.5mm, 9~22mm	
Auto Iris Control	DC Level Button	
Camera Control & Setup	Dip Switches	
ICR Switch Time	2~3 sec. / 4~5 sec.	
Flickerless	On / Off	
BLC	On / Off	
Auto White Balance	ATW / AWB	
Operating Temperature	-5°C ~ +45°C	
Operating Humidity	Within 90% RH	
Weatherproof	IP66(Only applies to Vandalproof Housing)	
Power Consumption	500mA(Camera), 1Amp(w/ LED On)	
Power Requirement	12VDC/24VAC Dual Voltage	

Specifications are subject to change without any prior notice.

- Must use specified and regulated 12VDC/24VAC power supply.

Specifications

WD Series

Indoor Color Dome Cameras

CD-WD266 CD-WD3895 CD-WD922

Vandalproof Color Dome Cameras

CV-WD266 CV-WD3895 CV-WD922

Item	WD Series	
Video Formats	NTSC	PAL
Image Sensor	1/3" CMOS	
Synchronization System	Internal / External	
Scanning system	525 Lines, Interlaced	625 Lines, Interlaced
Electronic Shutter	1/60 ~ 1/100,000	1/50 ~ 1/100,000
Main Video Output	1.0 Vp-p Composite, 75 ohm	
Service Monitor Output	1.0 Vp-p Composite, 75 ohm	
Horizontal Resolution	480 TV Lines	
Min. Illumination	0.1 Lux(Color), 0.03 Lux(B/W)	
S/N Ratio	48dB	
Dynamic Range	120dB(max), 95dB(typical)	
AGC Control	0~34dB	
Day/Night Function	ICR	
Lens Options (DC Auto Iris)	Vari-focal: 2.6~6mm, 3.8~9.5mm, 9~22mm	
Camera Control & Setup	OSD Menu	
Operating Temperature	-5°C ~ 45°C	
Operating Humidity	Within 90% RH	
Weatherproof	IP66(Only applies to Vandalproof Housing)	
Power Consumption	1Amp	
Power Requirement	DC 12VDC/24VAC Dual Voltage	

Specifications are subject to change without any prior notice.

- Must use specified and regulated 12VDC/24VAC power supply.

Fan & Heater Specification

Power Input	24VAC
Power Consumption (Heater)	10W
Power Consumption (Fan)	0.7W
Heater ON	at 41°F (5°C)
Heater OFF	at 59°F (15°C)
Fan ON	24 Hours

Note: For Fan and Heater operation, 24VAC power input is required.
Current model does not support 12VDC operation.

