

## 3i23-369



### 1/3" SUPER HIGH RESOLUTION, COLOUR/ MONO, CAMERA WITH VARIFOCAL , AI LENS & 15M IR

- >>>> 1/3" Sony HQ1 CCD
- >>>> Varifocal, auto iris 3.6-9.0mm lens
- >>>> Easy Focal Adjustment
- >>>> IR LEDs - allows vision in complete darkness up to 15 metres
- >>>> Dual IR cut filter switching mechanism to perform true colour in day and night



Model Number	3i23-369
Image Sensor Device	1/3" Colour Sony HQ1 CCD
Total pixels	PAL : 752 x 582
H. Sync. Frequency	PAL/ CCIR : 15.625 KHz
V. Sync. Frequency	PAL/ CCIR : 50Hz
Synchronisation System	DC : Internal/ AC : Line Lock (option)
Horizontal Resolution	520TVL
Back Light Compensation (BLC)	Switch On/ Off
Electronic Shutter (ES)	Switch On/ Off PAL : 1/50 ~ 1/100,000 sec
Automatic Gain Control (AGC)	Auto
Gamma Correction	0.45
S/N Ratio	More than 48dB (AGC off)
Video Output	1.0Vpp, 75 Ohms
Minimum Illumination & IR Projecting Distance	0 Lux up to 15 metres with IR on
IR LED	12 Units 850nm infra red LED for 10000hrs
White Balance	Auto
Lens Standard	Varifocal, auto-iris 3.6-9mm lens
Operating Temperature	-10°C ~ +45°C
Power Requirement	DC 12V (+/- 10%) or AC240V
Power Consumption	420mA (D C)
Dimension	58.4(w) x 58.8(h)x 140.5(d) mm
Weight	340g

## 4324-AC



### 1/3" SUPER HIGH RESOLUTION, ULTRA LOW-LUX COLOUR CAMERA

- >>>> 1/3" Sony HQ1 CCD, super high resolution @ 520TVL
- >>>> Ultra Low light capabilities down to 0.06 Lux @ F1.5
- >>>> Video/ Direct drive lens compatible
- >>>> AGC/ AES/ BLC
- >>>> 240Vac



Model Number	4324-AC
Image Sensor Device	1/3" Colour Sony HQ1 CCD
Total pixels	PAL : 752 x 582
H. Sync. Frequency	PAL/ CCIR : 15.625 KHz
V. Sync. Frequency	PAL/ CCIR : 50KHz
Synchronisation System	DC : Internal/ AC : Line Lock (option)
Horizontal Resolution	520TVL
Back Light Compensation (BLC)	Switch On/ Off
Electronic Shutter (ES)	Switch On/ Off PAL : 1/50 ~ 1/100,000 sec
Auto Gain Control (GC)	Auto
Gamma Correction	0.45
S/N Ratio	More than 48dB (AGC off)
Video Output	1.0Vpp, 75 Ohms
Minimum Illumination	0.06 Lux @ F1.5
White Balance	Auto
Lens Standard	CS Mount (Accept DC/ Video drive lens)
Operating Temperature	-10°C ~ +45°C
Storage Temperature	-30°C ~ +60 °C
Power Requirement	DC 12V (+/- 10%) or AC24V (+/- 10%)
Power Consumption	230Vac +/- 10
Dimension	56.7(d) x 52.2(w)x 129.40(h) mm
Weight	550g

## Ei23-30



1/3" HIGH-RESOLUTION, COLOUR/ MONO BULLET CAMERA WITH 20M IR

- >>>> 1/3" Sony HQ1 CCD, super high resolution @ 520TVL
- >>>> 30 IR LEDs - allows vision in complete darkness up to 20 metres
- >>>> Complete with sunshield, 4.3mm lens and bracket
- >>>> Water resistant (IP66)
- >>>> Easy to install



Model Number	Ei23-30
Image Sensor Device	1/3" Colour Sony HQ1 CCD
Total pixels	PAL : 500 x 582
H. Sync. Frequency	PAL/ CCIR : 15.625 KHz
V. Sync. Frequency	PAL/ CCIR : 50Hz
Synchronisation System	DC : Internal/ AC : Line Lock (option)
Horizontal Resolution	520TVL
Back Light Compensation (BLC)	Switch On/ Off
Electronic Shutter (ES)	Switch On/ Off PAL : 1/50 ~ 1/100,000 sec
Automatic Gain Control (AGC)	Auto
Gamma Correction	0.45
S/N Ratio	More than 48dB (AGC off)
Video Output	1.0Vpp, 75 Ohms
Minimum Illumination & IR Projecting Distance	0 Lux up to 20 metres with IR on
IR LED	30 Units 850nm Infra Red LED for 10000hrs
White Balance	Auto
Lens Standard	4.3mm
Operating Temperature	-10°C ~ +45°C
Power Requirement	DC 12V (+/- 10%) or AC24V (+/- 10%)
Power Consumption	340mA (DC)
Dimension	74(d) x 68.5(w)x 101.5(h) mm
Weight	400g

## LD23-358



1/3" SUPER HIGH RESOLUTION, ULTRA LOW-LUX  
 COLOUR DOME CAMERA WITH VARIFOCAL, AI LENS

- >>>> 1/3" Sony HQ1 CCD
- >>>> Super high resolution @ 520TVL
- >>>> Ultra Low light capabilities down to 0.06 Lux @ F1.5
- >>>> Varifocal, auto iris 3.5-8.0mm lens
- >>>> Suitable for Internal use only



Model Number	LD23-358
Image Sensor Device	1/3" Colour Sony HQ1 CCD
Total pixels	PAL : 752 x 582
H. Sync. Frequency	PAL/ CCIR : 15.625 KHz
V. Sync. Frequency	PAL/ CCIR : 50Hz
Synchronisation System	DC : Internal/ AC : Line Lock (option)
Horizontal Resolution	520TVL
Back Light Compensation (BLC)	Switch On/ Off
Electronic Shutter (ES)	Switch On/ Off PAL : 1/50 ~ 1/100,000 sec
Auto Gain Control (GC)	Auto
Gamma Correction	0.45
S/N Ratio	More than 48dB (AGC off)
Video Output	1.0Vpp, 75 Ohms
Minimum Illumination	0.06 Lux @ F1.5
White Balance	Auto
Lens Standard	Varifocal, auto-iris 3.5-8mm lens
Operating Temperature	-10°C ~ +45°C
Storage Temperature	-30°C ~ +60 °C
Power Requirement	DC 12V (+/- 10%) or AC24V (+/- 10%)
Power Consumption	130mA (DC)
Dimension	110(w)x 90(h) mm
Weight	380g

## SN-586C



**1/3" HIGH RESOLUTION, SUPER WIDE DYNAMIC RANGE, COLOUR/ MONO CAMERA**

- >>>> 1/3" DPS (Digital Pixel System) Wide Dynamic Sensor
- >>>> Super wide dynamic range using PIXIM technology
- >>>> Ultra Low light capabilities down to 0.08 Lux @ F1.2
- >>>> Video/ Direct drive lens compatible
- >>>> AGC/ AES/ BLC/ AWB/ OSD/ Mirror function
- >>>> 24Vac



Model Number	SN-586C
Image Sensor Device	1/3" DPS (Digital Pixel System)
Total pixels	PAL : 720 x 540
Dynamic Range	95dB Typical, 120dB maximum
H. Sync. Frequency	PAL/ CCIR : 15.625 KHz
V. Sync. Frequency	PAL/ CCIR : 50KHz
Synchronisation System	DC : Internal/ AC : Line Lock (option)
Horizontal Resolution	480TVL
Back Light Compensation (BLC)	Yes
Electronic Shutter (ES)	Switch On/ Off PAL : 1/50 ~ 1/100,000 sec
Auto Gain Control (GC)	Yes
Day/ Night function	Switch On/ Off
Gamma Correction	0.45
S/N Ratio	More than 48dB (AGC off)
Video Output	1.0Vpp, 75 Ohms
Minimum Illumination	0.08 Lux @ F1.2
White Balance	Auto
Lens Standard	CS/ C Mount (Accept DC/ Video drive lens)
Operating Temperature	-10°C ~ +50°C
Storage Temperature	-30°C ~ +60 °C
Power Requirement	AC24V (+/- 10%), 4.5W (Max)
Power Consumption	230Vac +/- 10
Dimension	121(d) x 62(w)x 60(h) mm
Weight	500g

## TCD-03G4/P



### 1/3" VANDAL, COLOUR DOME CAMERA WITH VARIFOCAL, AUTO-IRIS LENS

- >>>> 1/3" Colour Panasonic CCD
- >>>> Full internal pivot bracket -enables wall or ceiling mounting
- >>>> Low light capabilities down to 2 Lux @ F1.2
- >>>> Varifocal, auto iris 4-9.0mm lens
- >>>> Vandal resistant designed housing with tamper proof dome cover
- >>>> Water resistant (IP66)



Model Number	TCD-03G4/P
Image Sensor Device	1/3" Colour Panasonic CCD
Total pixels	PAL : 795 x 596
H. Sync. Frequency	PAL/ CCIR : 15.625 KHz
V. Sync. Frequency	PAL/ CCIR : 50Hz
Synchronisation System	DC : Internal/ AC : Line Lock (option)
Horizontal Resolution	> 460 TVL
Back Light Compensation (BLC)	Auto
Electronic Shutter (ES)	Switch On/ Off PAL : 1/50 ~ 1/100,000 sec
Auto Gain Control (GC)	Auto
Gamma Correction	0.45
S/N Ratio	More than 48dB (AGC off)
Video Output	1.0Vpp, 75 Ohms
Minimum Illumination	2 Lux @ F1.2
White Balance	Auto
Lens Standard	Varifocal, auto-iris 4.0-9mm lens
Operating Temperature	-10°C ~ +50°C
Storage Temperature	-30°C ~ +60 °C
Power Requirement	DC 12V (+/- 10%) or AC24V (+/- 10%)
Power Consumption	210mA (DC)
Dimension	108(w)x 75(h) mm
Weight	640g

## TCD-20G4



### 1/3" VANDAL, MONO DOME CAMERA WITH VARIFOCAL, AUTO-IRIS LENS

- >>>> 1/3" Mono Sony CCD
- >>>> Full internal pivot bracket -enables wall or ceiling mounting
- >>>> Low light capabilities down to 0.2 Lux @ F1.2
- >>>> Varifocal, auto iris 4-9.0mm lens
- >>>> Vandal resistant designed housing with tamper proof dome cover
- >>>> Water resistant (IP66)



Model Number	TCD-20G4
Image Sensor Device	1/3" Mono Sony CCD
Total pixels	PAL : 795 x 596
H. Sync. Frequency	PAL/ CCIR : 15.625 KHz
V. Sync. Frequency	PAL/ CCIR : 50Hz
Synchronisation System	DC : Internal/ AC : Line Lock (option)
Horizontal Resolution	> 580 TVL
Back Light Compensation (BLC)	Auto
Electronic Shutter (ES)	Switch On/ Off PAL : 1/50 ~ 1/100,000 sec
Auto Gain Control (GC)	Auto
Gamma Correction	0.45
S/N Ratio	More than 48dB (AGC off)
Video Output	1.0Vpp, 75 Ohms
Minimum Illumination	0.2 Lux @ F1.2
White Balance	Auto
Lens Standard	Varifocal, auto-iris 4.0-9mm lens
Operating Temperature	-10°C ~ +50°C
Storage Temperature	-30°C ~ +60 °C
Power Requirement	DC 12V (+/- 10%) or AC24V (+/- 10%)
Power Consumption	180mA (DC)
Dimension	108(w)x 75(h) mm
Weight	640g

## TCD-30M4



1/3" DUAL CCD, COLOUR & MONO, EXTERNAL CAMERA WITH 30M IR

- >>>> 1/3" Dual CCD Colour & Mono camera with 6.0mm lens
- >>>> Colour camera > 460TVL, mono camera 420TVL
- >>>> Fully weatherproof, solid aluminum housing and bracket
- >>>> Built in 49 IR LEDs - allows vision in complete darkness up to 30 metres
- >>>> Superior focal quality during both day & night, due to dual CCD technology
- >>>> 90- 260Vac



Model Number	TCD-30M4
Image Sensor Device	1/3" Colour CCD Sensor
Total pixels	PAL : 512 x 582
H. Sync. Frequency	PAL/ CCIR : 15.625 KHz
V. Sync. Frequency	PAL/ CCIR : 50Hz
Synchronisation System	DC : Internal/ AC : Line Lock (option)
Horizontal Resolution	> 460 TVL colour, 420TVL mono
Back Light Compensation (BLC)	Auto
Electronic Shutter (ES)	Switch On/ Off PAL : 1/50 ~ 1/100,000 sec
Automatic Gain Control (AGC)	Auto
Gamma Correction	0.45
S/N Ratio	More than 48dB (AGC off)
Video Output	1.0Vpp, 75 Ohms
Minimum Illumination & IR Projecting Distance	0 Lux up to 30 metres with IR on
IR LED	49 Units 850nm Infra Red LED for 10000hrs
White Balance	Auto
Lens Standard	4.3mm
Operating Temperature	-10°C ~ +50°C
Power Requirement	90 - 260Vac
Power Consumption	900mA (DC)
Dimension	275(l) x 129(w)x 133(h) mm
Weight	350g

## Oi23-369



1/3" VANDAL, COLOUR/ MONO DOME  
CAMERA WITH VARIFOCAL, AI LENS & 15M IR



- >>>> 1/3" Sony HQ1 CCD
- >>>> 3-Axis inside structure design - enables wall or ceiling mounting
- >>>> IR LEDs - allows vision in complete darkness up to 15 metres
- >>>> Dual IR cut filter switching mechanism to perform true colour in day and night
- >>>> Varifocal, auto iris 3.6-9.0mm lens
- >>>> Vandal resistant designed housing with tamper proof screws
- >>>> Water resistant (IP66)

Model Number	Oi23-369
Image Sensor Device	1/3" Colour Sony HQ1 CCD
Total pixels	PAL : 752 x 582
H. Sync. Frequency	PAL/ CCIR : 15.625 KHz
V. Sync. Frequency	PAL/ CCIR : 50Hz
Synchronisation System	DC : Internal/ AC : Line Lock (option)
Horizontal Resolution	520TVL
Back Light Compensation (BLC)	Switch On/ Off
Electronic Shutter (ES)	Switch On/ Off PAL : 1/50 ~ 1/100,000 sec
Automatic Gain Control (AGC)	Auto
Gamma Correction	0.45
S/N Ratio	More than 48dB (AGC off)
Video Output	1.0Vpp, 75 Ohms
Minimum Illumination & IR Projecting Distance	0 Lux up to 15 metres with IR on
IR LED	12 Units 850nm infra red LED for 10000hrs
White Balance	Auto
Lens Standard	Varifocal, auto-iris 3.6-9mm lens
Operating Temperature	-10°C ~ +45°C
Power Requirement	DC 12V (+/- 10%) or AC24V (+/- 10%)
Power Consumption	340mA (DC)
Dimension	126(d) x 126(w)x 100(h) mm
Weight	740g

## OV23-369



### 1/3" VANDAL, COLOUR/ MONO DOME CAMERA WITH VARIFOCAL, AUTO-IRIS LENS



- >>>> 1/3" Sony HQ1 CCD, super high resolution @ 520TVL
- >>>> 3-Axis inside structure design - enables wall or ceiling mounting
- >>>> Dual IR cut filter switching mechanism to perform true colour in day and night
- >>>> Ultra Low light capabilities down to 0.06 Lux @ F1.5
- >>>> Varifocal, auto iris 3.6-9.0mm lens
- >>>> Vandal resistant designed housing with tamper proof screws
- >>>> Water resistant (IP66)

Model Number	OV23-369
Image Sensor Device	1/3" Colour Sony HQ1 CCD
Total pixels	PAL : 752 x 582
H. Sync. Frequency	PAL/ CCIR : 15.625 KHz
V. Sync. Frequency	PAL/ CCIR : 50Hz
Synchronisation System	DC : Internal/ AC : Line Lock (option)
Horizontal Resolution	520TVL
Back Light Compensation (BLC)	Switch On/ Off
Electronic Shutter (ES)	Switch On/ Off PAL : 1/50 ~ 1/100,000 sec
Auto Gain Control (GC)	Auto
Gamma Correction	0.45
S/N Ratio	More than 48dB (AGC off)
Video Output	1.0Vpp, 75 Ohms
Minimum Illumination	0.06 Lux @ F1.5
White Balance	Auto
Lens Standard	Varifocal, auto-iris 3.6-9mm lens
Operating Temperature	-10°C ~ +45°C
Storage Temperature	-30°C ~ +60 °C
Power Requirement	DC 12V (+/- 10%) or AC24V (+/- 10%)
Power Consumption	185mA (DC)
Dimension	126(d) x 126(w)x 100(h) mm
Weight	740g

## YDS-04S

4 CHANNEL DIGITAL VIDEO RECORDER (DVR), WITH MOTION DETECTION AND REMOVABLE **HARD DRIVE**



YDS-04S

### FEATURES >>>>

- >>>> Duplex M-JPEG Recording
- >>>> Real Time display
- >>>> 1 Internal & 1 removable HDD
- >>>> Manual, Alarm or Motion recording
- >>>> Up to 25 FPS recording in PAL
- >>>> 3 Levels of recording quality
- >>>> Password Protection

Model Number	YDS-04S
Image System	PAL
Display Resolution	720 x 576
Recording Resolution	720 x 288
Video Inputs	BNC x 4
Video Outputs	BNC x 4 (Looping)
Monitor Output	BNC x 2 & S-Video x 1
Display Rate	Up to 480 frames
Recording Rate	25 fields/ sec
Recording Mode	Duplex- Live/ playback & recording
Storage Media	1 x removable HDD & 1 x Internal HDD
Image Format	M-JPEG
Recording Trigger	Manual/ Alarm/ Motion Detection
Playback Speed	FF/ RW x2, x4, x6, x8 & frame by frame
Event List	63 events, each HDD
Video Loss	Yes
Title	6 Characters
On Screen Display	Title/ Time/ Date
Alarm Input	4
Relay Input	1 x NO or NC programmable
RS-232 Port	Yes
Password Control	Yes
Backup	VCR BNC Output
Ethernet	No
Network Interface	N/A
Rack Mountable	No
Operating Temperature	0°C ~ +40°C
Power Input	AC100V-240V (50/60Hz)
Dimension	432(w) x 55(h) x 280mm (d)
Weight	4.5Kgs

## YDS-04 LDU

### 4 CHANNEL TRIPLEX DVR WITH LAN (10/100) PORT, MOTION DETECTION & CD-RW OR DVD-RW



YDS-04LDU

Model Number	YDS-04 LDU
Image System	PAL
Display Resolution	720 x 576
Recording Resolution	640 x 272
Video Inputs	BNC x 4
Video Outputs	BNC x 4 (loop throughs)
Monitor Output	BNC x 2
Display Rate	25 fields/ sec/ camera (Real Time)
Recording Rate	100 fps (Real Time)
Recording Mode	Triplex- Internet/ Playback & recording simultaneously
Storage Media	1 x Internal HDD & 1 x CD-RW
Image Format	M-JPEG
Recording Trigger	Manual/ Alarm/ Motion Detection
Playback Speed	FF/ RW x2, x4, x8, x16 & frame by frame
Event List	63 events, each HDD
IR Remote Control	Yes
Title	6 Characters
On Screen Display	Title/ Time/ Date
Alarm Input	4 x NO or NC programmable
Relay Input	1 x NO or NC programmable
RS-232 Port	Yes
Password Control	Yes
Backup	CD-RW or DVD-RW + USB 1.1/ 2/0
Ethernet	Yes
Motion Detection	Yes
Audio	1 x RCA Input & 1 x RCA Output
Operating Temperature	0°C ~ +40°C
Power Input	AC100V-240V (50/60Hz)
Dimension	432(w) x 55(h) x 321mm (d)
Weight	4.5Kgs

#### FEATURES >>>>

- >>>> Real Time Display and Triplex Recording
- >>>> LAN/ Ethernet connection (10/100)
- >>>> Built in CD-RW or DVD-RW for downloading
- >>>> Manual, Alarm or Motion recording
- >>>> Up to 100fps recording in PAL
- >>>> Infra Red Remote Control
- >>>> Password Protection

## YDS- 08LCUD

### 8 CHANNEL TRIPLEX DVR WITH LAN (10/100) PORT, MOTION DETECTION & CD-RW OR DVD-RW



YDS-08LCUD

#### FEATURES >>>>

- >>>> Real Time Display and Triplex Recording
- >>>> LAN/ Ethernet connection (10/100)
- >>>> Built in CD-RW or DVD-RW for downloading
- >>>> Manual, Alarm or Motion recording
- >>>> Up to 100 FPS recording in PAL
- >>>> Infra-Red remote control
- >>>> Zoom Function & Password Protection

Model Number	YDS- 08LCUD
Image System	PAL
Display Resolution	720 x 576
Recording Resolution	720 x 288
Video Inputs	BNC x 8
Video Outputs	BNC x 8 (loop throughs)
Monitor Outputs	BNC x 2 (Main & spot) + S-video
Display Rate	25 fields/ sec/ camera (Real Time)
Recording Rate	100 fields/ sec
Recording Mode	Triplex- Internet/ playback & recording simultaneously
Storage Media	2 x HDD & 1 x CD-RW
Image Format	M-JPEG
Recording Trigger	Manual/ Alarm/ Motion Detection
Playback Speed	FF/ RW x2, x4, x8, x32 & frame by frame
Event List	63 events, each HDD
IR Remote Control	Yes
Title	6 Characters
Watermark	Yes
Alarm Input	8 x No or NC programmable
Relay Input	1 x NO or NC programmable
RS-232 Port	Yes
Password Control	Yes
Backup	CD-RW or DVD-RW + USB 1.1/ 2.0
Ethernet	Yes
Audio	1x RCA Input & 1x RCA Output
Rack Mountable	EIA 19" 2U
Operating Temperature	0°C ~ +40°C
Power Input	AC100V-240V (50/60Hz)
Dimension	430(w) x 91(h) x 380mm (d)
Weight	5.5K gs

## YDS- 16LCUD

**16 CHANNEL TRIPLEX DVR WITH LAN (10/100) PORT, MOTION DETECTION & CD-RW OR DVD-RW**



YDS-16LCUD

Model Number	YDS- 16LCUD
Image System	PAL
Display Resolution	720 x 576
Recording Resolution	720 x 288
Video Inputs	BNC x 16
Video Outputs	BNC x 16 (loop throughs)
Monitor Outputs	BNC x 2 (Main & spot) + S-video
Display Rate	25 fields/ sec/ camera (Real Time)
Recording Rate	100 fields/ sec
Recording Mode	Triplex- Internet/ playback & recording simultaneously
Storage Media	2 x HDD & 1 x CD-RW
Image Format	M-JPEG
Recording Trigger	Manual/ Alarm/ Motion Detection
Playback Speed	FF/ RW x2, x4, x8, x32 & frame by frame
Event List	63 events, each HDD
IR Remote Control	Yes
Title	6 Characters
Watermark	Yes
Alarm Input	16 x No or NC programmable
Relay Input	1 x NO or NC programmable
RS-232 Port	Yes
Password Control	Yes
Backup	CD-RW or DVD-RW + USB 1.1/ 2/0
Ethernet	Yes
Audio	1x RCA Input & 1x RCA Output
Rack Mountable	EIA 19" 2U
Operating Temperature	0°C ~ +40°C
Power Input	AC100V-240V (50/60Hz)
Dimension	430(w) x 91(h) x 380mm (d)
Weight	5.5K gs

### FEATURES >>>>

- >>>> Real Time Display and Triplex Recording
- >>>> LAN/ Ethernet connection (10/100)
- >>>> Built in CD-RW or DVD-RW for downloading
- >>>> Manual, Alarm or Motion recording
- >>>> Up to 100 FPS recording in PAL
- >>>> Infra-Red remote control
- >>>> Zoom Function & Password Protection