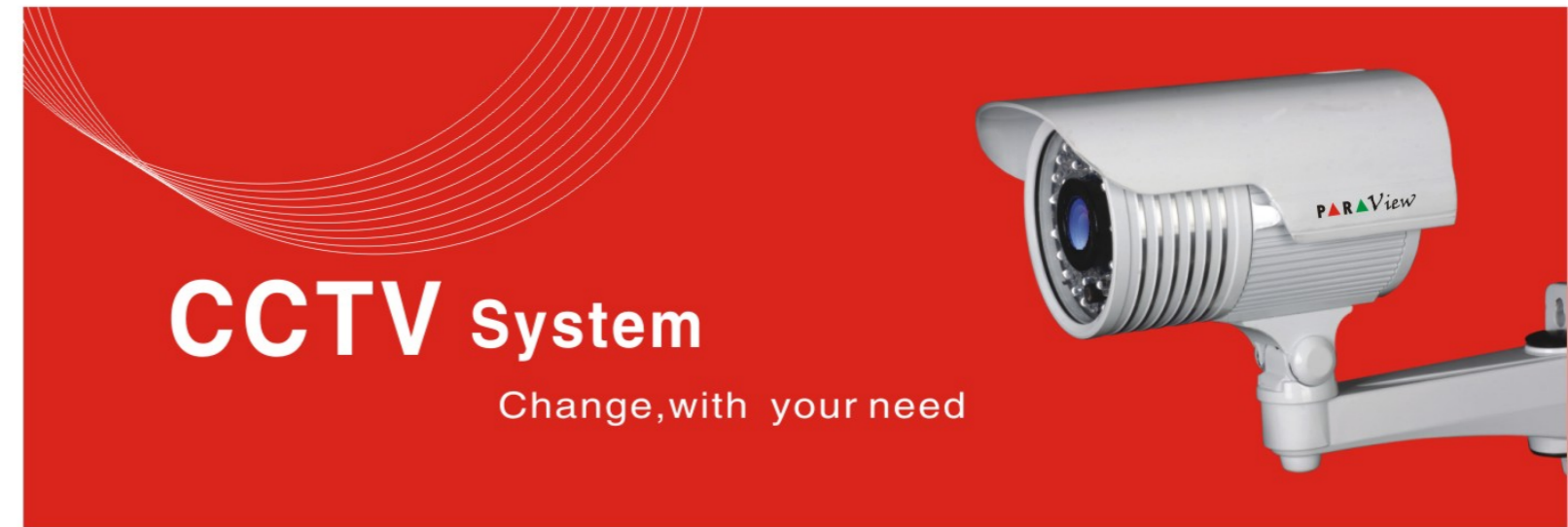


Users' Manual

- ☑ All the samples listed in this brochure are produced in our company, which are only for your reference.
- ☑ We can also develop and manufacture products in accordance with the samples, pictures or ideas supplied by the customers.



Waterproof IR Camera



Signal System: PAL and NTSC
Auto White Balance
Auto Gain Control
0Lux with $\Phi 5$ LED 12PCS
IR Series Distance: 20m
Power Consumption: DC 12V

PARA-8611 1/4 Sharp CCD 420TVL
PARA-8612 1/3 Sharp CCD 420TVL
PARA-8811 1/4 Sony CCD 420TVL
PARA-8812 1/3 Sony CCD 420TVL
PARA-8818 1/3 Sony Super HAD
CCD 535 TVL



Signal System: PAL and NTSC
Auto White Balance
Auto Gain Control
0Lux with $\Phi 5$ LED 12PCS
IR Series Distance: 15m
Power Consumption: DC 12V

PARA-8621 1/4 Sharp CCD 420TVL
PARA-8622 1/3 Sharp CCD 420TVL
PARA-8821 1/4 Sony CCD 420TVL
PARA-8822 1/3 Sony CCD 420TVL
PARA-8828 1/3 Sony Super HAD
CCD 535 TVL



Signal System: PAL and NTSC
Auto White Balance
Auto Gain Control
0Lux with $\Phi 5$ LED 30PCS
IR Series Distance: 30m
Power Consumption: DC 12V

PARA-9611 1/4 Sharp CCD 420TVL
PARA-9612 1/3 Sharp CCD 420TVL
PARA-9811 1/4 Sony CCD 420TVL
PARA-9812 1/3 Sony CCD 420TVL



Signal System: PAL and NTSC
Auto White Balance
Auto Gain Control
0Lux with $\Phi 5$ LED 24/36PCS
IR Series Distance: 25-30m
Power Consumption: DC 12V

PARA-861 1/4 Sharp CCD 420TVL
PARA-881 1/3 Sharp CCD 420TVL
PARA-862 1/4 Sony CCD 420TVL
PARA-882 1/3 Sony CCD 420TVL
PARA-883 1/3 Sony CCD 480TVL
PARA-888 1/3 Sony Super HAD CCD 535 TVL



B Model



C Model



D Model



Signal System: PAL and NTSC
Auto White Balance
Auto Gain Control
0Lux with $\Phi 8$ LED 12PCS
IR Series Distance: 25m
Power Consumption: DC 12V

PARA-9621 1/4 Sharp CCD 420TVL
PARA-9622 1/3 Sharp CCD 420TVL
PARA-9821 1/4 Sony CCD 420TVL
PARA-9822 1/3 Sony CCD 420TVL
PARA-9823 1/3 Sony CCD 480TVL
PARA-9828 1/3 Sony Super HAD
CCD 535 TVL



Signal System: PAL and NTSC
Auto White Balance
Auto Gain Control
0Lux with $\Phi 5$ LED 30PCS
IR Series Distance: 30m
Power Consumption: DC 12V

PARA-161 1/4 Sharp CCD 420TVL
PARA-162 1/3 Sharp CCD 420TVL
PARA-181 1/4 Sony CCD 420TVL
PARA-182 1/3 Sony CCD 420TVL
PARA-183 1/3 Sony CCD 480TVL
PARA-188 1/3 Sony Super HAD
CCD 535 TVL



Signal System: PAL and NTSC
Auto White Balance
Auto Gain Control
0Lux with $\Phi 5$ LED 42 PCS
IR Series Distance: 50m
Power Consumption: DC 12V

PARA-961 1/4 Sharp CCD 420TVL
PARA-962 1/3 Sharp CCD 420TVL
PARA-981 1/4 Sony CCD 420TVL
PARA-982 1/3 Sony CCD 420TVL
PARA-983 1/3 Sony CCD 480TVL
PARA-988 1/3 Sony Super HAD
CCD 535 TVL



Signal System: PAL and NTSC
Auto White Balance
Auto Gain Control
0Lux with $\Phi 8$ LED 24PCS
IR Series Distance: 50m
Power Consumption: DC 12V

PARA-9601 1/4 Sharp CCD 420TVL
PARA-9602 1/3 Sharp CCD 420TVL
PARA-9801 1/4 Sony CCD 420TVL
PARA-9802 1/3 Sony CCD 420TVL
PARA-9803 1/3 Sony CCD 480TVL
PARA-9808 1/3 Sony Super HAD
CCD 535 TVL



Signal System: PAL and NTSC
Auto White Balance
Auto Gain Control
0Lux with $\Phi 8$ LED 35PCS
IR Series Distance: 70m
Power Consumption: DC 12V

PARA-8601 1/4 Sharp CCD 420TVL
PARA-8602 1/3 Sharp CCD 420TVL
PARA-8801 1/4 Sony CCD 420TVL
PARA-8802 1/3 Sony CCD 420TVL
PARA-8803 1/3 Sony CCD 480TVL
PARA-8808 1/3 Sony Super HAD
CCD 535 TVL

Miniature Camera

Miniature Camera



Signal System: PAL/NTSC	PARA-1621	1/4 Sharp CCD 420TVL
Auto White Balance	PARA-1622	1/3 Sharp CCD 420TVL
Auto Gain Control	PARA-1822	1/3 Sony CCD 420TVL
Power Consumption: 12V DC	PARA-1828	1/3 Sony CCD 535TVL



PARA-1631	1/4 Sharp CCD 420TVL
PARA-1632	1/3 Sharp CCD 420TVL
PARA-1832	1/3 Sony CCD 420TVL
PARA-1838	1/3 Sony CCD 535TVL



Signal System: PAL/NTSC	
Auto White Balance	
Auto Gain Control	
Power Consumption: 12V DC	
PARA-1631A	1/4 Sharp CCD 420TVL
PARA-1632A	1/3 Sharp CCD 420TVL
PARA-1832A	1/3 Sony CCD 420TVL
PARA-1838A	1/3 Sony CCD 535TVL



A Model

Signal System: PAL/NTSC
Auto White Balance
Auto Gain Control
Dimensions: 36 x 36 x 21mm
Power Consumption: 12V DC



B Model

PARA-211	1/3 LG CCD 420TVL
PARA-261	1/4 Sharp CCD 420TVL
PARA-262	1/3 Sharp CCD 420TVL
PARA-281	1/4 Sony CCD 420TVL
PARA-282	1/3 Sony CCD 420TVL

Dome Cameras

Dome Cameras



B1 Model



B2 Model



B3 Model



C1 Model

Signal System: PAL/NTSC
 Auto White Balance
 Auto Gain Control
 Shutter Speed: 1/50 (1/60) to 1/100,000 Seconds
 Power Consumption: DC 12V
 PARA-561B 1/4 Sharp CCD 420 TVL
 PARA-562B 1/3 Sharp CCD 420 TVL
 PARA-581B 1/4 Sony CCD 420TVL
 PARA-582B 1/3 Sony CCD 420TVL
 PARA-583B 1/3 Sony CCD 480 TVL
 PARA-585B 1/3 Sony Exview HAD
 CCD 420 TVL 0.01 Lux/F1.2
 PARA-588B 1/3 Sony Super HAD CCD 535 TVL



Signal System: PAL/NTSC
 Auto White Balance
 Auto Gain Control
 Power Consumption: DC 12V
 PARA-561D 1/4 Sharp CCD 420 TVL
 PARA-562D 1/3 Sharp CCD 420 TVL
 PARA-581D 1/4 Sony CCD 420TVL
 PARA-582D 1/3 Sony CCD 420TVL
 PARA-583D 1/3 Sony CCD 480 TVL
 PARA-585D 1/3 Sony Exview HAD
 CCD 420 TVL 0.01 Lux/F1.2
 PARA-588D 1/3 Sony Super HAD CCD 535 TVL

Signal System: PAL/NTSC
 Auto White Balance
 Auto Gain Control: ON
 Power Consumption: DC 12V
 PARA-561C 1/4 Sharp CCD 420 TVL
 PARA-562C 1/3 Sharp CCD 420 TVL
 PARA-581C 1/4 Sony CCD 420TVL
 PARA-582C 1/3 Sony CCD 420TVL
 PARA-583C 1/3 Sony CCD 480 TVL
 PARA-585C 1/3 Sony Exview HAD
 CCD 420 TVL 0.01 Lux/F1.2
 PARA-588C 1/3 Sony Super HAD CCD 535 TVL

Box Cameras

Dome Cameras



PARA-689 1/2" Color, High Resolution Exview Camera

Signal System: PAL/NTSC
 White Balance: Auto Tracking White Balance
 Auto Gain Control: ON/OFF Switchable
 Backlight Compensation: ON/OFF Switchable
 Shutter Speed: 1/50 (1/60) to 1/100,000 Seconds
 Auto Iris Lens: VIDEO/DC Switchable
 480 TVL 0.001 Lux/F1.2
 Power Consumption: DC 12V



Signal System: PAL/NTSC
 White Balance: Auto Tracking White Balance
 Auto Gain Control: ON/OFF Switchable
 Backlight Compensation: ON/OFF Switchable
 Shutter Speed: 1/50 (1/60) to 1/100,000 Seconds
 Auto Iris Lens: VIDEO/DC Switchable
 Power Consumption: DC 12V



A Model

PARA-661	1/4 Sharp CCD 420 TVL	
PARA-662	1/3 Sharp CCD 420 TVL	
PARA-681	1/4 Sony CCD 420TVL	
PARA-682	1/3 Sony CCD 420TVL	
PARA-683	1/3 Sony CCD 480 TVL	
PARA-685	1/3 Sony Exview HAD CCD 420 TVL	0.01 Lux/F1.2
PARA-686	1/3 Sony Exview HAD CCD 480 TVL	0.01 Lux/F1.2
PARA-688	1/3 Sony Super HAD CCD 535 TVL	



A2 Model

Signal System: PAL/NTSC
 Auto White Balance
 Auto Gain Control
 Power Consumption: DC 12V

PARA-561A	1/4 Sharp CCD 420 TVL
PARA-562A	1/3 Sharp CCD 420 TVL
PARA-581A	1/4 Sony CCD 420TVL
PARA-582A	1/3 Sony CCD 420TVL
PARA-583A	1/3 Sony CCD 480 TVL
PARA-585A	1/3 Sony Exview HAD CCD 420 TVL
PARA-588A	1/3 Sony Super HAD CCD 535 TVL



A1 Model



A3 Model

COLOR ZOOM CAMERA



- 1/4inch SONY Super HAD CCD
- Built-in Auto Focus/AUTO IRIS
- Optical Power Zoom Lens
- OSD (On Screen Display)
- Built-in lens: f=3.3mm-99mm
- Minimum Illumination: 0.1Lux LED open Olux
- S/N Ratio: More than 48dB
- Black Light Compensation: ON/OFF
- Control Interface: Rs485: PELCO-D 2400/4800/9600 /19200kbs
- Power: DC12V±10%

PARA-30X

Image Sensor: 3.6mm(H)×2.7mm(V), 1/4-inch Sony
 Signal System: PAL/NTSC
 Effective Pixels (H×V): PAL: 752×582
 NTSC: 768×494
 Horizontal Resolution: More than 480TV Lines
 Video output: 1.0MP-P75Ω (BNC)
 Minimum Illumination: 1Lux/F=1.2
 Aperture/Focus: Auto Iris
 White Balance: Auto tracking white balance
 S/N Ratio: More than 48dB
 Horizontal rotation: Continuous 360degrees
 Horizontal speed: 0.5-300degrees/sec
 Vertical Rotation range: 0-90degrees
 Vertical speed: 0.5-150degrees/sec
 Power Consumption: AC24V



PARA-8800A/B

Night Vision Waterproof/Vandalproof Camera Feature



PARA8782B	1/3SONY CCD 420TVL
PARA8783B	1/3SONY CCD 480TVL
PARA8788B	1/3SONY CCD 535TVL

- 30 PCS IR Led.
- Effective Viewing Distance: 60M.
- IP66 Weatherproof standard.
- Vandalproof cameras.
- Easy to install.
- Built-in 4~9mm manual Varifocal Lens.
- Minimum illumination of 0.00 Lux (led on).
- Auto Tracking White Balance.
- Double Glass+Hoop Unique Design.
- Power supply 12V DC



IR dome cameras



Signal System: PAL/NTSC
Auto White Balance
Auto Gain Control: On
0 Lux with $\Phi 5$ LED 12PCS
IR Series Distance: 15m
Power Consumption: DC 12V

PARA-1601 1/4 Sharp CCD 420TVL
PARA-1602 1/3 Sharp CCD 420TVL
PARA-1801 1/4 Sony CCD 420TVL
PARA-1802 1/3 Sony CCD 420TVL
PARA-1803 1/3 Sony CCD 480TVL
PARA-1808 1/3 Sony Super HAD
CCD 535 TVL



Signal System: PAL/NTSC
Auto White Balance
Auto Gain Control
0 Lux with $\Phi 5$ LED 28PCS
IR Series Distance: 30m
Power Consumption: DC 12V

PARA-2601 1/4 Sharp CCD 420TVL
PARA-2602 1/3 Sharp CCD 420TVL
PARA-2801 1/4 Sony CCD 420TVL
PARA-2802 1/3 Sony CCD 420TVL
PARA-2803 1/3 Sony CCD 480TVL
PARA-2808 1/3 Sony Super HAD
CCD 535 TVL



Signal System: PAL/NTSC
Auto White Balance
Auto Gain Control
0 Lux with $\Phi 5$ LED 18PCS
IR Series Distance: 25m
Power Consumption: DC 12V

PARA-3601 1/4 Sharp CCD 420TVL
PARA-3602 1/3 Sharp CCD 420TVL
PARA-3801 1/4 Sony CCD 420TVL
PARA-3802 1/3 Sony CCD 420TVL
PARA-3803 1/3 Sony CCD 480TVL
PARA-3808 1/3 Sony Super HAD
CCD 535 TVL



Signal System: PAL/NTSC
Auto White Balance
Auto Gain Control
0 Lux with $\Phi 5$ LED 20PCS
IR Series Distance: 20m
Power Consumption: DC 12V

PARA-6601 1/4 Sharp CCD 420TVL
PARA-6602 1/3 Sharp CCD 420TVL
PARA-6801 1/4 Sony CCD 420TVL
PARA-6802 1/3 Sony CCD 420TVL
PARA-6803 1/3 Sony CCD 480TVL
PARA-6808 1/3 Sony Super HAD
CCD 535 TVL



Signal System: PAL/NTSC
Auto White Balance
360° IR Revolving Camera
Auto Gain Control
0 Lux with $\Phi 5$ LED 24PCS
IR Series Distance: 25m
Power Consumption: DC 12V

PARA-5582 1/3 Sony CCD 420TVL
PARA-5583 1/3 Sony CCD 480TVL
PARA-5588 1/3 Sony Super HAD
CCD 535 TVL

Vandal-proof Cameras



Signal System: PAL/NTSC
Auto White Balance
Auto Gain Control
0 Lux with $\Phi 5$ LED 20PCS
IR Series Distance: 20m
Power Consumption: DC 12V

PARA-2611 1/4 Sharp CCD 420TVL
PARA-2612 1/3 Sharp CCD 420TVL
PARA-2811 1/4 Sony CCD 420TVL
PARA-2812 1/3 Sony CCD 420TVL
PARA-2813 1/3 Sony CCD 480TVL
PARA-2818 1/3 Sony Super HAD
CCD 535 TVL



Signal System: PAL/NTSC
Auto White Balance
Auto Gain Control
0 Lux with $\Phi 5$ LED 20PCS
IR Series Distance: 20m
Power Consumption: DC 12V

PARA-5601 1/4 Sharp CCD 420TVL
PARA-5602 1/3 Sharp CCD 420TVL
PARA-5801 1/4 Sony CCD 420TVL
PARA-5802 1/3 Sony CCD 420TVL
PARA-5803 1/3 Sony CCD 480TVL
PARA-5808 1/3 Sony Super HAD
CCD 535 TVL



Signal System: PAL/NTSC
Auto White Balance
Auto Gain Control
Power Consumption: DC 12V

PARA-5611 1/4 Sharp CCD 420TVL
PARA-5612 1/3 Sharp CCD 420TVL
PARA-5811 1/4 Sony CCD 420TVL
PARA-5812 1/3 Sony CCD 420TVL
PARA-5813 1/3 Sony CCD 480TVL
PARA-5818 1/3 Sony Super HAD
CCD 535 TVL



Signal System: PAL/NTSC
Auto White Balance
Auto Gain Control
Power Consumption: 12V DC

PARA-5621 1/3 Sharp CCD 420TVL
PARA-5622 1/3 Sharp CCD 420TVL
PARA-5822 1/3 Sony CCD 420TVL
PARA-5828 1/3 Sony Super HAD
CCD 535 TVL