

**SPECIFICATIONS**

<b>Model</b>	<b>PRP-600 X</b>
Sensor	Sony Effio-P 1/3" CCD
Max Resolution / FPS	>700TVL (B/W) > 650TVL (Color)
Min. illumination	0.03Lux/F1.2 / 0.00006Lux Slow Shutter
Day / Night	True Day / Night with ICR Filter.
IR LEDs	6pcs Giant Flux IR LED for 100 Meters
Lens	6-50mm
Video Output	Service RCA Video output with IP OSD via bottom access panel
Electronic Shutter	Auto
OSD Functions	OSD Functions
Supported Languages	English, Chinese.
Wide Dynamic Range	Super WDR or D-WDR modes, with ATR-EX functions. Clip and Scale user settings.
Digital Noise Reduction	2d and 3d
Display Mirror Flip	Horizontal & Vertical
Privacy Masking	20 User Areas defined quadrangle points. (irregular shaped)
Backlight	BLC / HLC
Additional Notes:	DIS Digital Image Stabilization, E-Zoom for Alarm digital Zoom
<b>GENERAL</b>	<b>GENERAL</b>
Power	12v DC @ 140mA (625mA IR LED On)
Temperature	Operating: 14°F to 131°F (-10°C to 55°C) Storage: -4°F to 140°F (-20°C to 60°C)
Operating Humidity	10% - 85% RH
Approvals	CE / FCC / RoHS Compliant / IP66 / IK5
Product Dimensions	377 x 110 mm ( 13 3/4 x 4 1/4 inch)
Product Weight	1.65kg / 3.63lb

**CCTV TRUE D&N IR Camera  
Super High Resolution Hi-Res Camera**



**FEATURES**

New generation Gen II DSP  
Supreme resolution 650 TVL  
Optical multi-coating filter  
according to IR LED & CCD  
Long visible range at night  
Day & Night function ICR  
IP66 Rated  
Vari-focal IR Lens to prevent  
defocusing under IR lighting  
RS-485 interface (Pelco-D/P)  
Support 8 different privacy zone  
Adopted 3D DNR technology

**MERITS**

Cable management bracket  
Image stabilization circuits  
low frame WDR & digital WDR  
Built-in fan for cooling  
Corrosion free material  
Sunvisor for picture clarification

**SPECIFICATIONS**

<b>MODEL</b>	<b>PRP-400X-A</b>	Freeze	On/Off
Image Sensor	1/3" SONY Super HAD CCD II	Day & Night	ICR (Auto, Color, B/W)
Effective Pixel	768x494 NTSC ; 752x582 PAL	LED Brightness	40pcs (Low, Middle, High, Off) Dynamic IR
Cell Size	6.35x7.4 μm NTSC ; 6.5x6.25μm PAL	DIS	On/Off
Scanning System	2 : 1 Interface	Digital Zoom	On (10x) Off
Sync Type	Internal / Line-lock (Option)	Blemish Compensation	Auto / /Off
Resolution	650 TVL color / 700 TVL B/W	Communication	RS-485 (protocol ; Pelco-D, Pelco-P
S/N Ratio	>52dB (AGC Off)	Lens	Day & Night Vari-focal auto IRIS lens
Video Output	1.0Vp~p (Sync, Negative) 75 ohm	Power Supply	12V DC + 10% (24V AC option)
Min Illumination	0.01 Lux F/1.2 ; 0.0003 Lux (Sense up) ; 0 Lux (50m Range at LED high) indoor	Current Consumption	Max 850mA (12V DC, 24V AC) LED on
Gamma	0.45 type (0, 45, 0.6, 1.0, user	Fan	optional
OSD	Yes (multi language)	Operation Temp	-20°C ~ 50°C
White Balance	ATW(2,500 K ~ 9500K) Manual / AWC	Preservation Temp	-20°C ~ 60°C
Shutter Speed	1/60 (1/50) ~ 1/100,000s	Dimensions	100x87.8x229
Sense up	Auto (Selectable limit 2x ~ 256x) fixed / off		
Backlight	BLC, LWDR, DWDR, HLC (On/Off)		
AGC	Low / Middle / High / Off		
DNR (3D)	Low / Middle / High / Off		
Motion Detection	On / Off (240 Black)		
Privacy Zone	On / Off (8x Zone)		
Mirror	H/V / Both / Auto (Option)		

**FEATURES**

Outdoor Waterproof Rating IP66  
+ 0.05° Accuracy for Presets  
100 Meter IR Range  
6 Cruise Lines with 18 Preset Positions Each Line  
Built-in Surge & Lightning Strike Protector  
Integrated Heat Abstraction & Temperature Control  
Device  
360° Endless Pan & -5° ~ 185° Tilt Range  
Preset Speed (Pan :400°/Sec,Tilt :400°/Sec)  
PELCO-D/P Protocol, RS-485 Control  
4 Alarm Input, 2 Alarm Output  
8 Privacy Zones & 4 Pattern Scan

**Module**

Sony Zoom Module  
18X, 22X, 36X Optical Zoom



**SPECIFICATIONS**

MODEL	PR-791812 S	PR-791812 E	PR-792612 E	PR-793612 E
Image Sensor	1/4" Sony Super HAD CCD	1/4" Sony Exview HAD CCD	1/4" Sony Exview HAD CCD	1/4" Sony Exview HAD CCD
Effective	PAL:752(H)x582(V)	PAL:752(H)x582(V)	PAL:752(H)x582(V)	PAL:752(H)x582(V)
Pixels	NTSC: 768(H)x494(V)	NTSC: 768(H)x494(V)	NTSC: 768(H)x494(V)	NTSC: 768(H)x494(V)
Horizontal Resolution	480TVL	Color :480TVL, B/W: 520TVL	Color :480TVL, B/W: 520TVL	Color :480TVL, B/W: 520TVL
<b>Zoom</b>				
Optical	18X	18X	26X	36X
Digital	12X	12X	12X	12X
Lens	4.1 ~73.8mm	4.1 ~73.8mm	3.5 ~91mm	3.4 ~122.4mm
<b>Illumination</b>				
Color	1.0Lux	0.2Lux	0.2Lux	0.2Lux
B/W	0 Lux (IR On)	0 Lux (IR On)	0 Lux (IR On)	0 Lux (IR On)

Signal	PAL/NTSC
Decoder	Built-In
IR Distance	100meter (300Feet)
Pan/Tilt Range	Pan: 360° Continuous, Tilt : -5° ~ 185° (Auto Flip)
Pan/Tilt Preset Speed	Pan 400°/s, Tilt 400°/s
Pan/ Tilt Manual Speed	Pan : 0.2° ~200°/s, Tilt 0.2° ~ 180°/s
Number of Preset	255 Presets ( Title can be setup, can set the time at each preset position)
Crusing Scan	6 Lines, Each line support 18 presets position
Pattern Scan	4 Lines, Each line can record 5 ~ 500 minutes
Auto Scan	1 Line
Privacy Masking	8 Zones
Alarm Input	4 Input
Alarm Output	2 Output
Electronic Shutter Speed	PAL : 1/50 ~ 1/10,000s, NTSC : 1/60 ~1/10,000s
Protocols	PELCO-P, PELCO-D, Etc.
Baud Rate	2400/4800/9600
Protection Guard	IP66, Built-in surge & lightning Strike Protector, Heat Abstractor & Temperature Control
Sync. System	Internal
White Balance	Auto/ Manual
AGC	Auto/ Manual
S/N Ratio	>50dB
BLC	On/Off
Power Supply	Vehicle DC 12V or AC 24V
Working Temperature	-35° C ~ 65° C
Dimensions	411x240x286mm(LxWxH)
Weight	5Kg



**PR 780 DCU**

**MERITS**

3-Axis Joystick Control  
Supports RS-485 / RS-422  
Controls up to 128 Cameras  
Built-in 2-Line LCD  
Programmable Preferences  
Multiple protocol supported in each channel  
RS-485 / RS-422 communication (TX: 3, RX: 1)  
Programmable user preferences  
(Preset, Tour, group, etc.)

Built-in 3-axis proportional joystick  
USB mouse control support  
Built-in 2-line character LCD  
User password support  
Easy upload programmed  
data via serial communication port of PC  
Supports 9V battery operation