

**HD-SDI IR METAL DOME CAMERA  
PR HD 1300 Series Eye Ball Camera**



**PR HD 1335 MID**  
1/2.9 inch SONY CMOS  
H/gh Definition Serial Digital Interface  
HD-SDI 1080P  
0 Lux at IR On (IR LED Varifocal 35 pcs)  
Weatherproof Housing  
OSD Controlled / Smart IR,DNR  
DC Auto IRIS & TDN V/F Lens 12~2.8mm

SPECIFICATIONS		PR HD 1335 MID	
Resolution	HD-SDI 1080p	Day & Night	AUTO (Day <--> Night TIME Change)
Sensor	1/2.9 inch SONY CMOS	Privacy	OFF / ON (32 Zone)
Total Pixels	2000(H) x 1241(V) = 2,482,000	Motion Detection	OFF / ON
Effective Pixels	1944(H) X 1092(V) = 2,122,648	D.ZOOM	0 ~ X127
Scanning System	PROGRESSIVE	FLIP	OFF / ON
S/N (Y signal)	More than 52 dB (AGC Off)	FREEZE	OFF / ON
Video Output	HD-SDI / (CVBS: 1.0Vp-p 75ohm)	Image Conversion	OFF / ON
Min.Illumination	0 Lux at IR On	Language	ENGLISH
White Balance	AUTO / AUTO EXT / PRESET / MANUAL	Sharpness	ADJUSTABLE (0 ~ 10 STEP)
Electronic shutter speed	AUTO / Manual (1/30sec ~ 1/60,000sec)	COMM.	RS-485(PELCO-D)
Brightness	ADJUSTABLE (0 ~ 20 STEP)	Operating Temperature/Humidity	-10°C~+50°C / 30%~80% RH
SENS_UP	OFF / X2 / X3 / X4	Storage Temperature/Humidity	-20°C~+60°C / 20%~90% RH
DNR	OFF / LOW / MIDDLE / HIGH	Power	DC12V
WDR/BLC	OFF / WDR / BLC		
HLM	OFF / SET		
ACE	OFF / ON		

**HD-SDI ZOOM BOX CAMERA  
PR HD 1900 Zoom Box Camera**



**PR-HD 1930 ZX**  
2M 10x HD-SDI ZOOM BOX Camera  
Min. Illuminance 0.5 Lux/0.001 Lux  
HD-SDI & Composite Output  
OSD Menu Control  
Power DC12V

SPECIFICATIONS		PR HD 1930 ZX	
Image Sensor	1/2.86" Panasonic CMOS sensor	Flickerless	On / Off
Resolution	1920x1080p, 2,000K Pixels	Brightness	0 ~ 20
Zoom	Optical 10X & Digital 32X	White Balance	Auto / One Push / Manual / Indoor / Outdoor
Focal Length	F1.6~1.8, f=5.1~51mm	Day & Night	Auto / Day / Night (ICR) / Ext-In
Angle of View	H : 54°~4.9°, V : 31°~4.0°	Min.Illuminance	0.5 Lux (Color) / 0.001Lux (B/W, DSS)
Video Signal to Noise	More than 50 dB(AGC off)	WDR / BLC	OFF / WDR / BLC
Focus Control	Auto / Manual / One Push	Privacy Zone	24 Mask
AE Mode	Auto / Iris / Shutter / Manual	Output	2 x BNC (HD-SDI and CVBS)
AGC	On / Off	Port	RS-485
Shutter Speed	1/30(25) ~ 1/60,000 sec	Protocol	Pelco-D / Pelco-P
Iris	0 ~ 20	Rated Power	DC12V / 0.5A
DSS	Off / Max x2 ~ x4		

**HD-SDI PTZ DOME CAMERA  
PR HD1800 Series PTZ Camera**



**PR-HD 1820 VPTZ(P)/PR-HD 1820 VPTZ(N)**  
2.0 Mega-Pixel Resolution Camera  
160X Zoom Control (Optical 20X / Digital 8X)  
True Day & Night with ICR (IR Cut Filter)  
NR (Noise Reduction) / Image Stabilization Function  
Minimum Illuminance (1.5 Lux @ Color / 0.1 Lux @ B/W)  
Super Speed (°500/SEC.) with °360 Endless Pan Rotation  
The Shortest Path with Vector Drive Technology  
Micro Control (°0.05/SEC.) with Micro Stepping Control Technology  
Super Video Quality with RAW Video Data  
HD-SDI Standard Support (HD cctv V1.485 / 1.0Gb/s / SMPTE 292M)  
Simultaneous HD-SDI & Composite Output  
OSD(On-Screen Display) Menu with Password Function  
8 Privacy Masks with Spherical Coordinates  
8 Sets of Scheduler Function with RTC(Real Time Clock)  
255 Presets (46 Presets reserved for Hot Keys) / 10 Swings / 4 Patterns / 8 Groups  
Frame Freeze Function  
Dual Power Input (AC 24V or DC 12V)  
Vandalproof / Weatherproof with Built-in Fan & Heater  
Waterproof (IP 67)

**APPLICATION**

Banks, Casinos, Roads, Car Parks, Traffic Signals, Airports Operation theaters, nuclear stations, and related hi-tech applications.

SPECIFICATIONS		PR-HD 1820 VPTZ	
Image Sensor	1/3" PS CMOS Sensor	Pattern	4 Patterns [768 Commands(Approximate 5 Minutes) / 1 Pattern]
Pixels	2.1 Megapixel	Swing	10 Swings
Zoom	Optical 20X & Digital 8X	Group	8 Groups (MAX. 40 Actions with The Combination of Preset, Pattern and Swing)
Video Signal-to-Noise	50 dB	Scheduler Function	8 Scheduler Functions with RTC(Real Time Clock)
Focal Length	F1.6~2.9, f=4.45~89 mm	Other Functions	Auto Flip, Auto Parking, Power-up Action & etc.
Angle of View	H : 55.56°(Wide) ~ 3.10°(Tele) / V : 43.32°(Wide) ~ 2.34°(Tele)	Output	2 x BNC (HD-SDI and CVBS)
Min. Working Distance	1,000 mm	HD-SDI Standard	HDcctv V1.0 / 1.485Gb/s / SMPTE 292M
Zoom Speed	3.3 SEC. (Wide to Tele)	NTSC	Resolution : 1080p30, 1080i60, 720p60/30
Minimum Illuminance	1.5 Lux (Color, F1.6, 50 IRE) / 0.1Lux (B/W, F1.6, 50 IRE)	PAL	Resolution : 1080p25, 1080i50, 720p50/25
Day & Night	Auto / Day / Night (ICR)	CVBS	1.0 Vp-p
Focus	Auto / Manual / Semi-Auto	RTC(Real Time Clock)	YES (RTC Battery Backup Time : Approximate 2 Weeks)
White Balance	Auto / Manual (Red, Blue Gain Adjustable)	OSD	YES (English)
Iris	Auto / Manual	Port	RS-485 for PTZ Control
Gain	OFF / Low / Middle / High / Manual	Protocol	Pelco-D, Pelco-P Selectable
Shutter Speed	Auto / Manual(x60~1/33,000) / A.FLK	Sensor Input	3 Inputs, Photo-Coupler Type, DC 5V~12V
BLC	OFF / BLC / HLC	Alarm Output	1 Output, Relay Output, MAX. Load DC 24V / 1.0A or AC 125V / 0.5A
SSNR	Low / Middle / High / OFF	Mount Bracket	Wall Mount Bracket or Ceiling Mount Bracket Dome : Ø150mm / Ø5.9"
Sens-Up	OFF / Auto (x2 ~ x60)	Dimension	Wall Mount : 200(Ø) x 408(H) [mm] / 7.87"(Ø) x 16.1"(H) Ceiling Mount : 300 x 309(H) [mm] / 11.8" x 12.2"(H)
Brightness	1 ~ 100	Weight	Approximate 3.6 Kg / 7.9 Lbs with Wall Mount Bracket Approximate 3.4 Kg / 7.5 Lbs with Ceiling Mount Bracket
Sharpness	1 ~ 31	Material	Dome : Poly Carbonate / Housing : Aluminum
Privacy Zone	8 Masks with Spherical Coordinate	Rated Power	Dual Power Support : DC 12V / 1.8A or AC 24V / 2.0A
Image Stabilization	ON / OFF	Waterproof	IP 67
Range	Pan : 360°(Endless) / Tilt : 90° Preset : 500° / SEC.	Fan	Always ON
Pan/Tilt Speed	Manual : 0.05° ~ 360° / SEC. (Zoom Proportional) Swing : 10°~180° / SEC.	Heater	Operation Start from Internal Temperature 10 °C / 50°F
Preset	255 Presets (46 Presets reserved for Hot Keys)	Operating Temp.	-30°C ~ 50°C / -34°F ~ 122°F