



EPTZ1800 SERIES SPEED DOME CAMERA



I. Introduction

Congratulations on purchasing our Speed Dome Camera, an intelligent, high-speed dome camera with a high-performance DSP camera and sophisticated zoom lens. It is an advanced technological surveillance product combining an all-direction variable speed dome and digital decoder all in one unit. It can aim quickly and scan continuously, making omni-directional and non-blind-spot monitoring into reality. Additionally, it can quickly adapt to changing environments with its 18x optical digital zoom with precise stepping motors. The advanced stepping motor technologies enable the dome to rotate smoothly, respond sensitively and aim precisely. EverFocus Speed Dome camera has memorizing function when the power cuts off, can auto resume to previous working status before the power cuts off.

All of the features make the intelligent high-speed dome camera fit for a wide range of applications such as intelligent building, bank, street of city, airport, station etc.

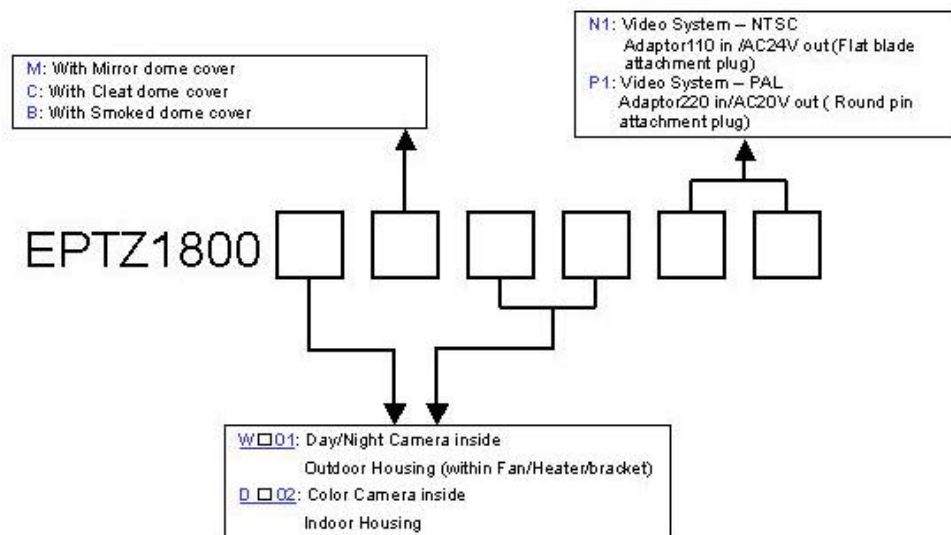
Features:

- ✍✍* Static and dust-removing, Double-liner housing designed for ventilation, Protection standard IP66
- ✍✍* Intelligent travel, 0.5 °S~280 °S pan level travel, 0.5 °S~180 °S vertical tilt travel, 180 ° Auto-flip, 360 °continuous rotation
- ✍✍* English-Chinese menu mode and presetting point reiterative locution input

mode

- ✂✂ 128 presets points linkage, eight group cruise patterns, 16 preset positions can be set for each group.
- ✂✂ SONY 18 times color optical camera module, resolution high up to 480 TVL
- ✂✂ Alarm linkage, start memory module and turn to the relative place when receiving the alarm message. Every alarm can make the program in advance.
- ✂✂ Change the times as per ratio, the dome reduce its speed gradually according to the depth of changing times. Thus can make the image clear and balance to the best result
- ✂✂ 18 open/close auto-cruise at fixed time
- ✂✂ Can adjust scan speed and the dwell time between the presets. Can set the scan speed as 1-280 per second.
- ✂✂ Built in many kinds of protocol compatible with any system

Ordering Guide



// Spec.

Model: <u>EPTZ1800W 01</u>	
Outdoor Day/Night Speed Dome	
Power Supply	AC24V±5%
Operating temperature	Indoor: 0 ~+40 Outdoor: - 40 ~+60
Operating moisture	=95%
Power consumption	20W
Communication	RS485 bus
Communication transmission speed	1200/2400/4800/9600bps
Horizontal rotation speed	0.4° - 280°(1-64 grade shift gears)
Horizontal rotation range	360° unlimited rotation
Tilt rotation range	90°
Auto flip	Rotates 180° when camera tilts to the vertical position
Auto zoom speed control	Control speed auto-adjusted according to zoom length changing
2 points scan	Can set freely
2 points scan speed	1 - 64 grade available
Dwell time(2 points scan)	1 - 60s available
Preset Positions	128 pcs
Running to preset speed:	1 - 64 grade available,0.4 ~280 °
Dwell time at preset position	1 - 60s available
Cruise Tour:	8 group
Cruise Points Qty per cruise group	16 preset positions
Fan, Heater	fan and heater auto -starts 24VAC

Model: <u>EPTZ1800D 02</u>	
Indoor Color Speed Dome	
Power Supply	AC24V±5%
Operating temperature	Indoor: 0 ~+40 Indoor: - 40 ~+60
Operating moisture	=95%
Power consumption	20W
Communication	RS485 bus
Communication transmission	1200/2400/4800/9600bps

speed	
Horizontal rotation speed	0.4° - 280°(1-64 grade shift gears)
Horizontal rotation range	360° unlimited rotation
Tilt rotation range	90°
Auto flip	Rotates 180° when camera tilts to the vertical position
Auto zoom speed control	Control speed auto-adjusted according to zoom length changing
2 points scan	Can set freely
2 points scan speed	1 - 64 grade available
Dwell time(2 points scan)	1 - 60s available
Preset Positions	128 pcs
Running to preset speed:	1 - 64 grade available, 0.4°-280°
Dwell time at preset position	1 - 60s available
Cruise Tour:	8 group
Cruise Points Qty per cruise group	16 preset positions

2.2. Camera Parameter for Intelligent High-speed Dome: EPTZ1800 series

Mode	1/4" Sony Exview CCD
Sync	Internal/ external
Scan	2:1 Interlace
Resolution	>480 lines
Minimum illumination	0.7lux/0.01lux (BW mode)
Iris	Auto/manual
Focus	Auto/manual
Zoom	216 X (Optical 18x; Digital 12x)
Focal length	f=4.1-73.8mm, F=1.4-3
Angle of view	47°(wide) , 2°(Tele-)
Backlight compensation	backlight compensation
White balance	Auto
Gain	Auto
Signal	PAL/NTSC
S/N ratio	>55dB
Video signal output	1.0±0.2Vp-p

Speed Dome Control Keyboard

EKB200/EKB300



EKB300/EKB200 intelligent keyboard is main control device for controlling EPTZ1800 intelligent dome camera. You realize the intelligent control to EPTZ Camera through EKB300/EKB200 keyboard.

1. TFT/Liquid Crystal Display The LCD display board is regarded as interface between human and device. It has the advantage such as Direct, Convenient, Easy for comprehension, large information.
2. Proportion Joystick¹ (Options: PTZ joystick and PT joystick)
Use this joystick to operate high-speed dome. Good handling, flexible operating, easy for use.
3. The locked function of the keyboard can prevent unauthorized users to operate the keyboard.
4. Provide RS485 control output signal and also offer the standard RS232 control signal.

II. EKB300/EKB200 Intelligent Keyboard Technical Parameters

1. Communication baud rate: 1200 bps;2400 bps;4800 bps;9600 bps
2. Protocol: VProtect protocol, PELCO_D, PELCO_P
3. Data Format: N,8,1
4. Power input: DC12V/1A
5. Max controlled EPTZ1800 dome camera:1024²
6. Power: 5W