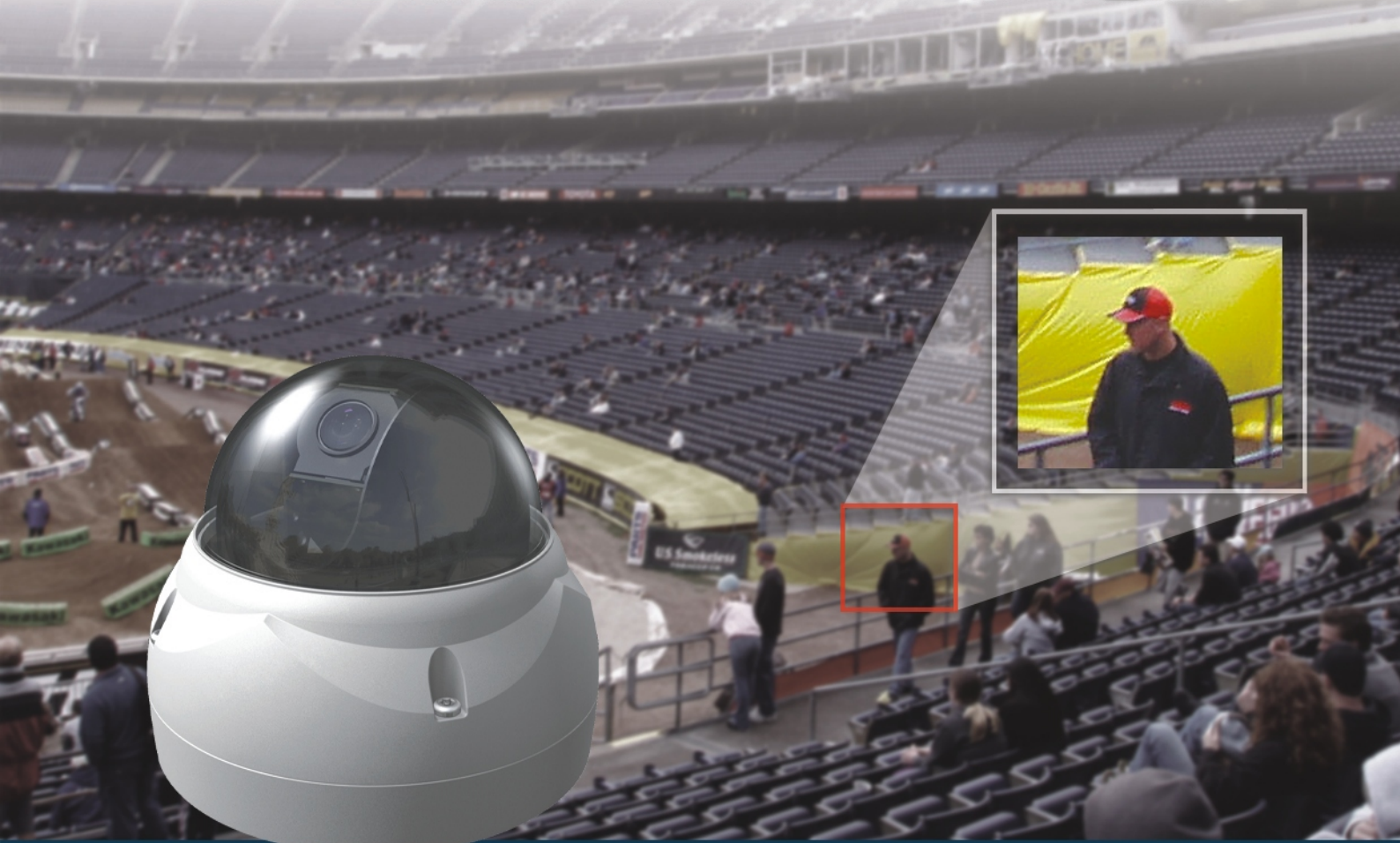


# Mintrax Dome

22X PTZ Vandal Proof Dome Network Camera



## Professional Network Camera 22X PTZ Vandal Proof Dome Camera Indoor or Outdoor

- Full Frame Rate up to D1 (25fps@720x576, 30fps@720x480) Resolution
- Compatible with MPEG4 Standard
- 242x Zooming Capability (Optical: 22x / Digital: 11x)
- Day&Night Function with Mechanical IR Cut Filter
- Pan: 360° Endless, Tilt: 0°~90°
- Pan/Tilt Speed (Manual: max. 150°/sec., Auto: max. 375°/sec.)
- Programmable Presets and Tours
- Up to 60 Programmable Preset Position
- Built-in Network Interface (10 Base-T / 100 Base-Tx) for Remote Monitoring by PC
- Interface Protocol: TCP/IP, HTTP, UDP, DHCP, RTP, RTSP, SMTP, DDNS, FTP
- Sophisticated Motion Detection
- Supports Pre&Post Alarm Record in Client PC
- Notify Events via e-mail
- Combines Superior Imaging with a Vandal-Proof Housing
- Easy Installation

### Day and Night Mode

Intelligent Selectable Switching ICR  
(Infrared Cut Filter)



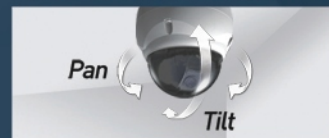
### Presets

Up to 60 Preset Positions (with Different Settings for Pan, Tilt, Zoom and Focus)



### Variable Pan and Tilt

Pan 360° Continuous Rotation in the Horizontal Plane and 0° to 90° of Tilt in the Vertical



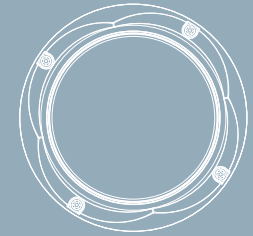
# 22X PTZ Vandal Proof Dome Network Camera



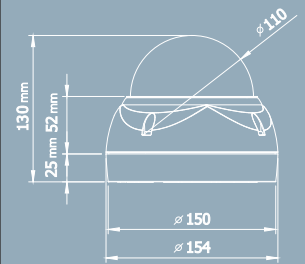
## ■ Specifications

## ■ Dimensions

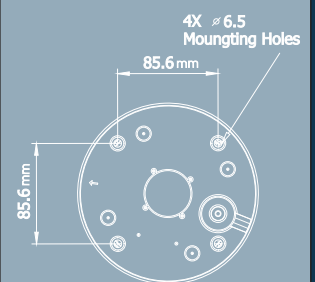
MODEL		HNCV-650PNZ1S8(NTSC)	HNCV-850PNZ1S8(NTSC)	
POWER	Power Source	DC 12V / AC 24V ±10%		
	Power Consumption	12.0 Watts		
GENERAL	Image Sensor	1/4" SONY Super HAD CCD		
	Total Pixels	811(H) X 508(V)	795(H) X 596(V)	
	Scanning System	2:1 Interlace		
	Scanning Frequency	15.734KHz(H), 59.94Hz(V)	15.625KHz(H), 50Hz(V)	
	Sync. System	Internal / Line Lock		
	Resolution	480 TV lines [Color], 530 TV lines [B/W]		
	Min. illumination	0.5 lux [Color], 0.05 lux [B/W], 0.001 lux [Low-shutter]		
	Video Output	1.0 Vp-p (75 ohm, Composite)		
	S/N Ratio	More than 50dB [AGC off]		
	Camera Control	RS485 [Fastrax II, Pelco D, Pelco P]		
	NETWORK	Display resolutions	D1 [PAL : 720 x 576, NTSC : 720 x 480], 640 x 480, 320 x 240, 160 x 120	
		Maximum frame rate	25 fps@720 x 576, 30fps@720 x 480	
		Video compression format	MPEG-4 Part2 [ISO/IEC 14496-2], Profile : SP and ASP	
		Audio compression format, I/O terminal	PCM, Full duplex, 16/8 kbps, 3.5mm Mic in x1 and speaker out x1	
		Alarm and event management	Built-in motion detection, Adjustable sensitivity and dwelling time, Emailing, FTP	
		Protocols	TCP/IP, UDP, HTTP, RTP, RTSP, DHCP, SMTP, DDNS, FTP	
		Ethernet	10Base-T/100Base-T [RJ-45]	
		Pre/Post event	Max. 180sec	
		Image setting	Color, Brightness, Contrast	
Event recording / Email notification Remote upgrade / Time/Event search Remote set-up/viewer / Access level Multicasting capability Bandwidth control Alarm/Event/Time searching		Yes		
Minimum Operation System	Microsoft Windows 2000/XP, Intel Pentium IV 2.0GHz or higher, 512MB or more			
Web browser	Microsoft Internet Explorer version 6.0			
FUNCTION CAMERA	Focus Mode	Auto / Manual		
	Distance	0.1M / 1.0M / 1.5M / 2.5M / 6.0M		
	Digital Zoom	On / Off		
	White Balance	AWB / Indoor / Outdoor / Manual / WAWB		
	Auto Exposure	Auto / Shutter PRI / Iris PRI / Manual / Flickerless		
	Shot	Normal / DIS / WDR / Low Shutter		
	Shutter Speed	Normal - 1/10,000 sec. [ x2 ~ x60 (Low Shutter) ]		
	Iris Control	Auto / Manual (F1.6 ~ F32, Close)		
	Gain Control	Auto / Manual [0 ~ 30dB]		
	BLC	On / Off		
FUNCTION DOME	Brightness	0 ~ 90 Steps		
	Sharpness	0 ~ 15 Steps		
	Picture	Mirror, Freeze, Nega/Posi, DNR, PIP		
	D&N Control	Auto / Color / BW (Mechanical IR Cut Filter)		
	Panning Angle	360° Continuous Rotation		
	Panning Speed	Manual : Max. 150°/sec. Auto : Max. 375°/sec.		
	Tilting Angle	0° ~ 90° (Auto Flip : On / Off)		
	Tilting Speed	Manual : Max. 150°/sec. Auto : Max. 375°/sec.		
	Preset Speed	Pan/Tilt : 375°/sec.		
	Preset	60 Position		
LENS	Tour	Course (1~4 x 16 Preset)		
	Auto Scan	Course (4)		
	Area Title	Course (8)		
	Alarm Input	Off / NC / NO [1 Channel]		
	Alarm Output	Off / NC / NO [1 Channel]		
	Alarm State	Timeout / Momentary		
	Home Function	On / Off		
	Password Protection	On / Off (OSD Setup Protection)		
	Dome ID	63 ID [Dip Switch]		
	Zoom Ratio	Optical x 22, Digital x 11 Zoom (Video AF)		
Focus Length	f = 3.9 mm ~ 85.8 mm			
Aperture Ratio	F1.6 [wide] ~ F3.7 [tele]			
CONNECTOR & ETC	Power Input	3 - Pin Terminal Block		
	Video Output	BNC Connector		
	RS485 Control	2 - Pin Terminal Block		
	Alarm Input/Output	4 - Pin Terminal Block		
	Operating Temperature	0°C ~ +45°C		
	Operating Humidity	0 ~ 96% [Non-Condensing]		
	Storage Temperature	-20°C ~ +60°C		
	External Dimension	ø154.0 x 130.0 [H] mm [Bubble Diameter ø110.0]		
Weight	1300g			



TOP VIEW



SIDE VIEW



BOTTOM VIEW

Unit : mm



\*Design and specifications are subject to change without notice.