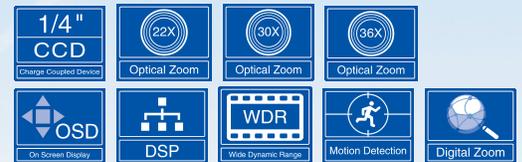# V1242 Series

Day/Night Zoom Camera

Infinova®
The Integrator's Manufacturer

- **1/4" SONY CCD**
- **Digital Signal Processor (DSP) chip-set for image control**
- **22X/30X/36X optical zoom, digital zoom available**
- **Excellent low light illumination**
- **High sensitivity, high resolution, and high S/N ratio**
- **Auto Electronic Shutter (AES), Auto/Manual Iris, Auto/Manual Focus, Auto/Manual Gain Control**
- **Multiple White Balance modes**
- **Backlight Compensation (BLC)/Highlight Compensation (HLC)**
- **Supports WDR**
- **Supports noise reduction**
- **Motion detection**
- **Up to 8 definable privacy masks**
- **Supports RS485 remote control, with protocol and baud rate auto-sensing**
- **Supports camera title setting, up to 13 characters**
- **12VDC/24VAC power supply**

Infinova's V1242 series zoom camera employs high resolution CCD and Digital Signal Processor (DSP) chip-set for image control, which provides clear high-resolution images and perfect function. Focal length and focusing are adjustable via the buttons on the back panel of the camera. And special functions, such as white balance, auto gain, backlight compensation and day/night switching can be performed via the menu.

The lens control input interface is built in the camera to be used with decoder and matrix switcher. It is also compatible with INFINOVA, PELCO-P/D protocols. The camera can be directly controlled through the RS485 interface to achieve multi-level and long-distance communications.

Technical specifications

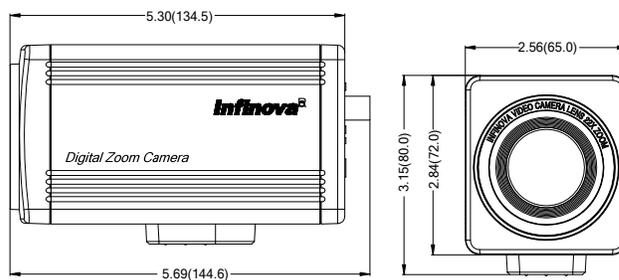|	
Model	V1242-22A, V1242-30A, V1242-36AL
Optical Zoom	22X, 30X, 36X
Zoom Speed	V1242-22A: <3s V1242-30A: <3.5s V1242-36AL: <3.5s
Digital Zoom	V1242-22A: 20X V1242-30A: 20X V1242-36AL: 20X
Video Type	PAL (D/N)
Scanning System	2:1 Interlaced scanning
Image Sensor	1/4" CCD
Effective Pixels (H×V)	V1242-22A: 976 × 582 V1242-30A: 976 × 582 V1242-36AL: 976 × 582
Lens	V1242-22A: F1.4~close, f=3.9~86.6mm V1242-30A: F1.4~close, f=3.3~99.4mm V1242-36AL: F1.4~F4.2, f=3.3~119mm
Angle of View (Horizontal)	V1242-22A: 49.16° (WIDE)~ 2.38° (TELE) V1242-30A: 57.25° (WIDE) ~ 2.08° (TELE) V1242-36AL: 60.15° (WIDE) ~ 1.47° (TELE)
M.O.D	V1242-22A: 10cm (WIDE) ~ 150cm (TELE) V1242-30A: 10cm (WIDE) ~ 150cm (TELE) V1242-36AL: 10cm (WIDE) ~ 150cm (TELE)
Sensitivity	V1242-22A: Color mode:0.18Lux (F1.4, 50IRE); B/W mode:0.05Lux (F1.4, 50IRE) V1242-30A: Color mode:0.30Lux (F1.4, 50IRE); B/W mode: 0.08Lux (F1.4, 50IRE) V1242-36AL: Color mode:0.30Lux (F1.4, 50IRE); B/W mode: 0.08Lux (F1.4, 50IRE)
Horizontal Resolution	V1242-22A: 650TVL; V1242-30A: 650TVL; V1242-36AL: 650TVL
S/N Ratio	>62dB
Sync System	Internal
Video Output	1.0 ±0.2Vp-p Composite (75 Ohm), BNC connector
Focus	Auto/Manual, focus speed adjustable
Iris	Auto/Manual
Shutter Speed	Auto/Manual
Gain Control	Auto/Manual
NR	2D/3D (22A, 30A, 36AL)

BLC	V1242-22A: OFF/BLC/HLC V1242-30A: OFF/BLC/HLC V1242-36AL: OFF/BLC/HLC
DSS	V1242-22A: X2~X128; V1242-30A: X2~X128; V1242-36AL: X2~X128;
Stabilizer	V1242-22A: ON/OFF; V1242-30A: ON/OFF; V1242-36AL: ON/OFF
WDR	Available
White Balance	ATW/ONE PUSH/MANU/INDOOR/OUTDOOR
Motion Detection	Available
Privacy Mask	Available, up to 8 masks
Image Set	Brightness, contrast, saturation and sharpness adjustment
RS485 Control	Protocol: INFINOVA/ PELCO-P/ PELCO-D/ AUTO
	Camera ID: 1~255
	Baud rate: 2400/4800/9600/19200bps/AUTO
OSD	English/ Chinese OSD menu optional
	Supports camera title setting, up to 13 characters
Power Supply	12VDC/24VAC
Power Consumption	V1242-22A: < 3W; V1242-30A: < 3W; V1242-36AL: < 3W
Operating Temperature	14°F ~ 122°F (-10°C~+50°C)
Storage Temperature	-4°F ~ 140°F (-20°C~+60°C)
Operating Humidity	0~90% RH (non-condensing)
Unit Dimensions (H×W×L)	3.15"×2.56"×5.69" (80mm×65mm×144.6mm)
Box Dimensions (L×W×H)	7.68"×4.72"×3.94" (195mm×120mm×100mm)
Net Weight	V1242-22A: 1.16lbs(0.527kg)
	V1242-30A: 1.21lbs(0.550kg)
	V1242-36AL: 1.21lbs(0.550kg)
Transportation Weight	V1242-22A: 1.43lbs(0.647kg)
	V1242-30A: 1.48lbs(0.670kg)
	V1242-36AL: 1.48lbs(0.670kg)

Certifications and Approval

Product Certifications	CE/EMC: EN 55022, EN 55024, EN 61000-3-2, EN 61000-3-3[1], FCC PART 15 Subpart B Class A[2], ISO 9001:2008

Certificate No.: [1]CTL1402200218-EC; [2]CTL1402200218-FC.

Ordering information

V1242-22A14   1/4" day/night zoom camera, PAL, 650TVL, 22X optical zoom, 20X digital zoom, 12VDC/24VAC

V1242-30A14   1/4" day/night zoom camera, PAL, 650TVL, 30X optical zoom, 20X digital zoom, 12VDC/24VAC

V1242-36A14L   1/4" day/night zoom camera (PAL, 650TVL, 36X optical zoom, 20X digital zoom, 12VDC/24VAC)

Dimensions

(Unit: inch, in the parentheses is mm)