

Infinova®

Infinova's WDR Series Cameras

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Infinova is proud to introduce the new V5103-A3024 series WDR fixed camera and V5413-A3024SB, V5413-A3024SE series WDR fixed dome camera. These WDR fixed dome cameras feature comprehensive functions for indoor, outdoor and variable lighting conditions. This series WDR camera is a perfect solution when attempting to secure such areas as bank entrances, ATMs, airports, prisons, schools, transit systems, sea ports, highways, retailers, and factories. Infinova's WDR series cameras utilize Pixim's DPS technology. This all-digital DPS enables Infinova's WDR cameras to provide up to 120 dB wide dynamic range despite the lighting conditions or application.

The newly introduced Infinova WDR dome camera and fixed camera represent the peak of camera technology while remaining extremely cost effective. This makes Infinova's new WDR camera series a very attractive choice for your CCTV surveillance in challenging lighting conditions.

Product features and highlights

- PIXIM DPS (Digital Pixel System) technology.
- Widest dynamic range (120 dB) that delivers high quality images in all lighting conditions.
- Superior color rendering in a wide



V5103-A3024

V5413-A3024

Product Pictures:

range of lighting situations that are changing throughout the day.

- High image compression and elimination of 'noise.'
- Extends DVR Capacity.
- No 'camera blindness.'
- Natural Color representation.
- Highest Total Resolution (520 TVL).
- OSD programmable menu.
- Image mirror.
- Privacy mask.
- Motion detection.
- 4X digital zoom.

Unlike traditional cameras, where each pixel cannot adjust to highlights and lowlights in the same scene, Infinova's Super WDR cameras empower each

pixel to act like constantly self-adjusting individual cameras. These cameras provide superior video even under extremely difficult lighting conditions.

Applications

Bank

Traditional CCD cameras located at a bank entrance cannot 'see' well when lighting conditions aren't optimal. These cameras experience a lack of details in high-contrast and backlit situations. Infinova's new WDR cameras are not hindered by changes in lighting, making them ideal for bank surveillance.

Entrance & exit vehicles surveillance

In toll plazas, parking lots, and other unpredictable lighting conditions, CCD cameras cannot pick up highlight and shadow details in same scene. But Infinova's new WDR cameras with self-adjusting pixels capture the whole picture—right down to the crucial details. Even if vehicles turn on their headlights, their license plate lettering will still not be obscured.

City road surveillance

CCD cameras frequently lose details in very brightly lit areas as well as in extremely dark areas. On city road, security cameras must

render shadow details even in strong backlight to identify the traffic light. Infinova's new WDR cameras can handle these very challenging lighting conditions and distinguish whether vehicles have broken traffic rules.

Steel-making factory

The lighting condition in a boiler room is extremely challenging, which eliminates the possibility of installing CCD cameras. Infinova's new industrial class WDR cameras can deliver usable images with enhanced clarity in such environments.

Technical parameters

Image Sensor	PIXIM 1/3" Digital Image Sensor	Digital Slow Shutter	32X, 16X, 8X, 4X, 2X
Pixel	720 (H) X 520 (V)	White Balance	ATW / MWB / AWB
Dynamic Range	Standard 102 dB, Maximum 120 dB (17bit)	Sync.	Internal / External
Resolution	520 TVL	Digital Zoom	4X
Sensitivity	0.5 lux, F1.2, 25 IRE, AGC (Max.)	Backlight Compensation	On/Off
	0.3 lux (Slow shutter mode)	Motion Detection	Yes
S/N Ratio	>52 dB	Privacy Mask	12 programmable privacy masking zones
OSD	Yes	Video Output	1.0 Vp-p 75 Ohm
Auto Gain Control	High / Medium / Low / Manual	Auto Iris	DC or VIDEO Drive
Electronic Shutter Range	PAL: 1/50 ~ 1/100,000s	Input Voltage	12 VDC / 24 VAC Self-adaptive
	NTSC: 1/60 ~ 1/100,000s	Power Consumption	4W

About Infinova

Infinova is a manufacturer of complete analog and network security surveillance products that deliver the highest value to customers with the cutting edge technology. Included in Infinova's product line are cameras, DVRs, NVRs, matrix switchers, fiber optic transceivers, access control, and management software. ■