DIGIMERGE | Right for Business

DPV14W-B

Varifocal Outdoor WDR DSP Dome Camera

POLARIS VISION

DIGITAL PIXEL SYSTEM FROM PIXIM

Features:

- 1/3" Pixim Digital Pixel System Sensor
- WDR: 0-36 steps (Max 120dB)
- High Resolution : 540 TV Lines
- Min. illumination 0.0003Lux (Sens-Up 32x)
- 2.8 - 12mm AI day/night aspherical VF lens
- Indoor/outdoor scene presets
- Internal/Linelock (phase control) function
- True day/night function (ICR)
- Spot video out
- Back light compensation (BLC)
- 12-Zone privacy masking function
- Horizontal & vertical image mirroring
- 4S junction box compatible
- 3-Axis design for wall/ceiling mounting
- Vandal resistant weatherproof (IP66) housing
- Auto sensing DC12V & AC24V

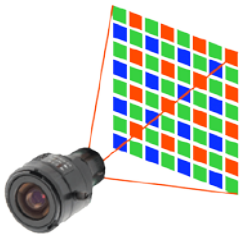
Analog CCD vs. Pixim-Powered Camera

Analog CCD

All pixels in the array have the exact same shutter speed.

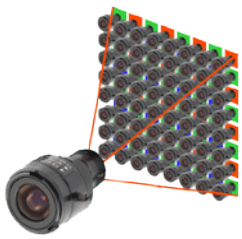
Result:

- Bright areas overexposed
- Dark areas underexposed

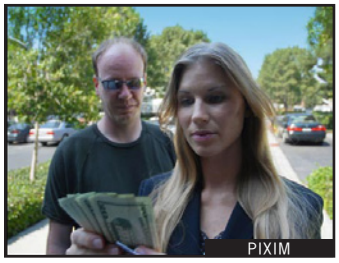


Pixim

- Pixels in bright areas automatically adjust to eliminate overexposure
- Pixel in dark areas automatically adjust to eliminate underexposure
- Only all-digital solution
- Every pixel is a self-adjusting camera



Wide Dynamic Range Performance

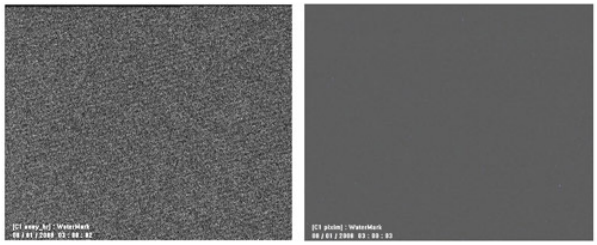


The advantages of better compression

More efficiently compressed video images have lower bit rates and smaller file sizes – in some cases 20-30 percent smaller - which means they take less room to store on a DVR and require less bandwidth on a network. This gives video security system operators a tremendous amount of flexibility in terms of how they take advantage of Pixim's compression advantage. For instance, they can:

- Use smaller, less-expensive hard drives and backup systems to reduce their overall security system costs
- Store additional hours of video per camera
- Store higher-quality video for one or more cameras
- Increase the video frame rate stored for one or more cameras

Noise reduction and elimination

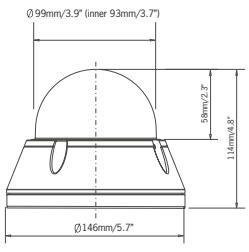


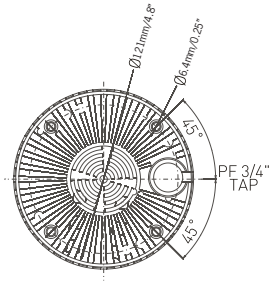
Pixim's Digital Pixel System technology is based on intelligent exposure, color, and noise processing algorithms that maximize SNR under all lighting conditions. It is an all-digital technology, so noise doesn't get randomly introduced at any point during image processing. Also, true black is clamped at a digital black level that is not modulated with random noise, so black areas in a scene show up as black areas instead of as noisy sparkles that look like moving objects to a compression algorithm.

Specifications:

Camera

Power Source:	DC 12V / AC 24V ± 10%
Power Consumption:	3.5 Watts
Image Sensor:	1/3" Pixim Digital Pixel System Sensor
Total Pixels:	742 (H) x 554 (V)
Scanning System:	2:1 Interlace
Scanning Frequency:	15.734KHz (H) x 59.94Hz (V)
Sync. System:	Internal/Line Lock
Resolution:	540 TV Lines
Min. Illumination:	0.5lux color / 0.01lux B/W (50IRE, F1.2)
	0.02lux color / 0.0004lux B/W (@ x32 Sens-up)
Video Output:	1.0 Vp-p (75 ohm, composite)
S/N Ratio:	More than 50dB (AGC OFF)
WDR:	0-36 steps (Max 120dB)
WDR Presets:	Normal/Indoor/Outdoor/WD Normal
BLC:	ON/OFF
Day & Night (True D/N):	Color/BW/Auto
Sens-up (Low Shutter Speed):	Auto/Off (Selectable limit 2x ~ 32x)
Privacy Masking:	On/Off (12 Programmable zones)
White Balance:	ATW Normal/AWB
Auto Gain Control:	Default/Indoor/Outdoor
Flip:	Horizontal/Vertical/Both
Setup Method:	OSD setup menu
Power Input:	2-Pin terminal block
Video Output:	BNC Connector
Lens Mount:	Fixed mount
Lens:	2.8~12mm AI aspherical day/night varifocal lens
Operating Temperature:	-10°C~+50°C (14°F ~ 122°F)
Operating Humidity:	0 ~ 96% (non-condensing)
Dimensions (WxHxD):	146 x 113 mm (Bubble Diameter Ø100)
Weight:	0.72kg / 1.6lbs





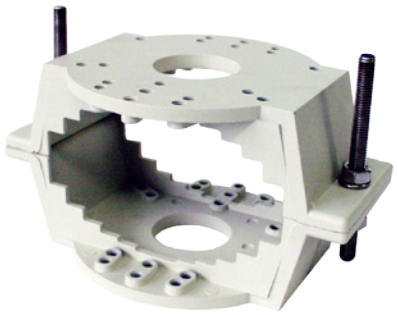
Packaging Information:

UPC:	8-41430-00566-7
Weight:	1.0kg / 2.2lbs
Package Dimensions: (W x D x H)	170 x 170 x 170mm/ 6.7 x 6.7 x 6.7"
Cube:	0.005cbm / 0.174cu ft

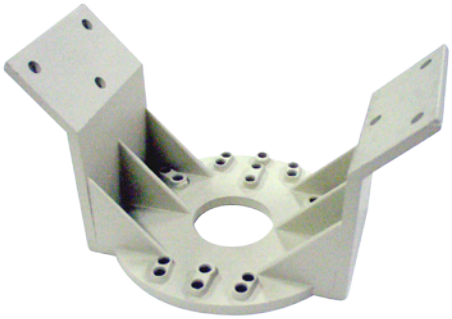
Accessories:

MNTV1XWC
Wall/Ceiling Mount

MNTV1XP
Pole Mount



MNTV1XR
Corner Mount



ACCHTR01
Heater Kit

DIGIMERGE®

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