

Compact High Resolution Bullet Camera w/WDR

This camera is packed with features. Foremost to users is its sharp 1100 TV-line resolution image. Image quality is further enhanced by digital noise reduction and signal filtering features courtesy of the Nextchip™ chipset.



Nextchip is an image signal processor (ISP) which outputs CVBS or S-Video data format after receiving color filter array (CFA) patterns from color-interlaced CCD sensor, which is processed through an internal encoder and DAC. For providing stable color reproduction, it has basic functions like auto exposure (AE) and auto white balance (AWB). It provides an OSD menu that lets users configure all major functions including infrared behavior, horizontal mirror view, lens shading correction, motion detection, privacy masking and more.

- De-moire
- D-WDR
- Smart IR
- Motion detection
- Dead pixel compensation
- High light compensation
- Lens shading correction
- Parking line guide display
- Privacy mask (8 zones)
- OSD : English/Chinese (Simplified)
- RS-485 (Pelco-D/P, Nextchip)
- Infrared sensitivity
- Shutter control
- Sharpness correction



The 3-dimensional mini-joystick on the video/power cable gives the user quick access to the OSD menu. Move it left/right, up/down and "click" to navigate the menu and make selections.

Specifications
Resolution: 1100 TV lines
Video Sensor: 1/3" color digital CCD sensor
Advanced Nextchip video processing chipset w/OSD & DSP
Video Format: Available with NTSC or PAL output
Effective Pixels: NTSC - greater than 379k
Video Signal Output: standard composite, 1Vp-p @ 75 Ohm impedance
Varifocal Lens: 2.8-12mm, F1.6, IR optimized
Minimum Illumination: 0.0 LUX with Infrared ON
WDR, AWB, BLC, AGC, AES: Configuration through OSD menu
Electronic Shutter: NTSC - 1/60 to 1/100,000 sec. PAL - 1/50 to 1/100,000 sec.
IR Control: Automatic, Smart IR options in OSD menu
Infrared Source: 42 LEDs, 850nm wavelength
Infrared Range: Up to 25' or more
Power: 12VDC @ 250mA nominal (~350mA with IR on)
DC Voltage Tolerance: Safe operating up to 20VDC
Operating Temperature: -10° to +50 Centigrade -14° to +122 Fahrenheit
Housing: Heavy duty vandal resistant aluminum alloy, 3D orbital bracket
Dimensions: Camera - 2.75" diameter, 6" long (not including bracket)
Waterproof: IP68



Wide Dynamic Range (WDR) Video Enhancements

WDR is a signal processing function designed to provide clear images even under situations where excessive backlight occurs. Specifically, when there are both very bright and very dark areas simultaneously in the field of view, WDR enables the capture and display of both bright and dark areas in a way that preserves image details in both areas. WDR processing makes sure the bright area is not saturated and the dark area is not reduced to a field of impenetrable blackness. If something is in those areas, WDR should bring it out.

OSD Menu with PREPRO

The OSD menu contains dozens of settings. A full explanation of all settings can be found in the manual included with the camera.

PrePro is a time saving feature. If you make adjustments in the OSD menu and later find the adjustments are troublesome, then select CAMERA RESET and the camera returns to pre-programmed optimal configuration. This "PrePro"

configuration has been optimized for the widest range of environments and gives installers a head start. Rather than having to touch every single control to bring the camera up to optimal imaging state, the "tweaks" are minimized. This can be a substantial time saver when installing multiple cameras.

