

NF5100 MegaPixel Camera

Overview

The NF-5100 offers cinema compatible frame rates to allow real time high definition digital video surveillance with 15 times the resolution of the best analog surveillance cameras.

The NF3100 supports compliant Power-over-Ethernet (POE) and auto-iris control functionality. The camera delivers full motion HDTV progressive scan resolution and is priced comparably to analog video cameras.

NF3100 surveillance system has the ability to zoom after the event from high resolutions digital archives and the simultaneous viewing of zoomed and full field of view images.



Imaging

- 5 Megapixel CMOS Image Sensor
- 2592(H) x 1944(V) pixel array
- ½" optical format
- 2.2 µm pixel pitch
- Bayer mosaic RGB filter
- Sensitivity 0.32 lux @ F1.4
- Dynamic Range 60 dB
- Maximum SNR 45 dB

Data Transmission

- Data Rate up to 55Mbps
- Video Frame Rate up to 9 fps @ 2592x1944
- Motion JPEG with 21 levels of quality
- TFTP Transmission Protocol
- 100Base Ethernet Network Interface

Programmability

- Auto Exposure (AE) and Gain Control (AGC) >120dB
- Auto Backlight Compensation
- Auto Multi-Matrix White Balance
- 50/60Hz selectable Flicker Control
- Electronic Zoom, Pan & Tilt (PTZ)
- Electronic Image Rotation - up-side down image turn (mirror)
- Resolution windowing down to 32x32 pixels window
- Programmable Motion Blurring Control for Low-Light Mode
- Programmable Resolution, Brightness, Saturation, Gamma, Sharpness, Tint
- Picture-In-Picture: Simultaneous delivery of full field of view and zoomed images

Electrical

- Power over Ethernet (POE) or DC Input
- Compatible with IEEE 802.3af POE equipment
- 15-48VDC
- Power Consumption 3 Watts maximum

Regulatory Approvals

- FCC Part 15, Class A
- CE compliant

Mechanical

- 3"W x 2.5"H x 2.25 "D (w/o lens)
- 8.6oz or 243 grams (w/o lens)

Environmental

- Operating Temperature 0°C to +50°C
- Storage Temperature -20°C to +60°C
- Humidity 0% to 90% (non condensing)

