

Nettuno megaPX

Nettuno dome

Nettuno minidome

Nettuno CamPX

Nettuno senses CamPX



CAMERA WITH AN IP INTERFACE FOR PROFESSIONAL USES

NETTUNO CamPX is a new digital-to-digital CIEFFE security camera with a native IP interface for professional applications. Fitted with a revolutionary video acquisition system developed by Pixim, it takes advantage of a 720 x 540 pixel progressive scanning sensor that eliminates interference and a dedicated DSP that runs an advanced high resolution system, capable of delivering a maximum dynamic range of 120 dB.

The H.264 and MPEG4 Main Profile algorithms implemented on board offer an ultra-low noise video signal and striking detail, giving excellent quality images at full resolution (D1), while still very fluid and usable over extremely reduced bandwidths.

NETTUNO CamPX is a stand-alone camera, but it can also be networked with SPECTIVA and LINEARIS Digital Video Management Systems.

Transmission via IP, use of the best compression algorithms, analogue video output and bi-directional stereo audio provide extremely flexible and scalable solutions for any type of CCTV installation.

NETTUNO CamPX runs as a native resource within SPECTIVA and LINEARIS DVMSs. Like all CIEFFE products, it is fully supported by the SiteManager multi-site software, as well as RemoteControl and VisionWeb, all of which provide management and control from any networked client.



WHY NETTUNO

Used as a stand-alone unit or in combination with SPECTIVA® and LINEARIS™ DVMS, NETTUNO simplifies the design of complex CCTV installations that demand high quality video and scalable and flexible solutions. Thanks to NETTUNO, conventional camera cabling and PTZ controls become redundant: the audio-visual signal is transmitted in real time via TCP/IP, and it can be displayed live or in playback without any noise or interference.

NETTUNO CamPX transmits the digital video signal in real time, via TCP/IP, at full screen and at maximum resolution and quality, to all SPECTIVA and LINEARIS DVMS connected in the network.

The hardware architecture of NETTUNO is based on a high performance DSP with sufficient power for a variety of functions. The firmware can be updated for future implementations of new compression algorithms.

Nettuno CamPX

Image size	Diagonal 6.3 mm (Type 1/3")
Sensor type	Wide Dynamic Range - Progressive
Sensor array size	5.04 mm (H) x 3.78 mm (V)
Output	Progressive scan output
No. of pixels (effective)	720 (H) x 540 (V)
Color filter array	Primary RGB
Light sensitivity	0,8 Lux at normal frame rate with an F=1.2 lens (color mode) 50 IRE
Dynamic range	105 dB typical (14 bit precision), 120 dB max
Signal to noise ratio	Greater than 48dB (F5.6 @ 2000 lux)
Slow shutter mode sensitivity	Better than 0.08 Lux
White balance	Auto tracking, manual, and preset
Backlighting compensation	Yes
AGC, Auto Iris	Yes
Video output IP	Ethernet
Video output analog	1 CVBS (75 Ohm) / 1 SVHS (PAL / NTSC selectable)
Compression algorithm	MPEG4 MainProfile, MPEG4 ES Raw, MPEG4 Adaptive™, H.264 (MPEG-4 Part 10)
Simultaneous encoders	4
Supported resolutions*	720x576/720x480, 720x288/720x240, 360x288/360x240, 180x144/180x120
Supported protocols	TCP/IP - UDP - RTP/RTSP
Web server	Yes
Processor	Multimedia DSP
Audio in	1 Stereo Input
Audio out	1 Stereo Output
Ethernet	10/100 Mbit
Operating temperature	0 - 55 °C
Power Over Ethernet (POE)	Yes
Power supply	12Vdc / POE
Power consumption	< 5W
Relative humidity	8 - 90% non condensing
Weight	0,5 Kg
Dimensions	60W x 140D x 55H mm



Two examples of bad exposure by competitors' cameras.



Nettuno CamPX Wide Dynamic Range sensor allows pixel by pixel exposure adjustment, for excellent images in any lighting condition.

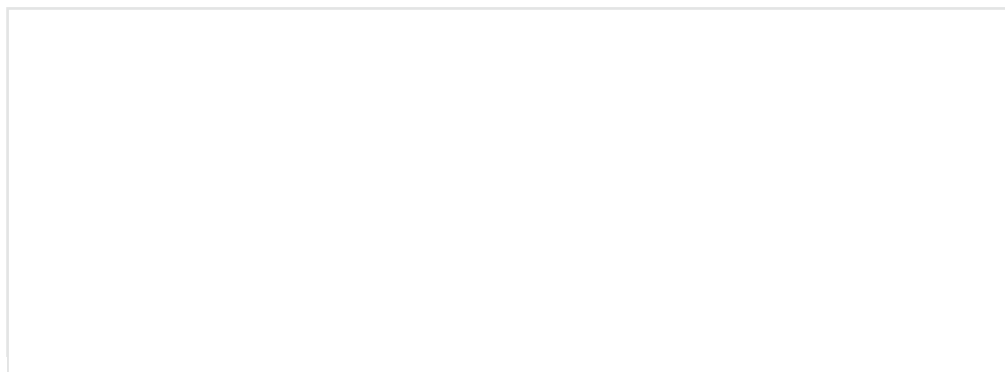
FEATURES

- Fully embedded architecture
- Customizable DSPs for a modular, flexible architecture
- Native support for multiple compression algorithms
- Progressive scan sensor
- Analog-to-digital converter (ADC) within each pixel
- Zero smear
- PAL/NTSC signal formats can be selected for the analog OUTPUT
- Minimal blooming
- Wide dynamic range
- White balance: auto tracking, manual, and presets
- Gamma correction options
- Electronic shutter
- Extended slow shutter
- Automatic gain control

*PAL / NTSC
3 year warranty

- Backlight compensation control
- B/W mode
- Excellent video quality thanks to H.264 and MPEG4 Main Profile compression
- Simultaneous MPEG4 encoders: 4
- Transmission of up to 25/30 FPS (*) images at full resolution and maximum quality
- Seamless integration with SPECTIVA and LINEARIS DVMS networks
- Real architecture client-server with total control via TCP/IP for unlimited scalable solutions
- Integrated Web server

CIEFFE are continuously in research and development and therefore reserves the right to alter specifications and prices without notice. For precise information, please contact your CIEFFE representative. Subject to change in design and specifications. Subject to error.



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