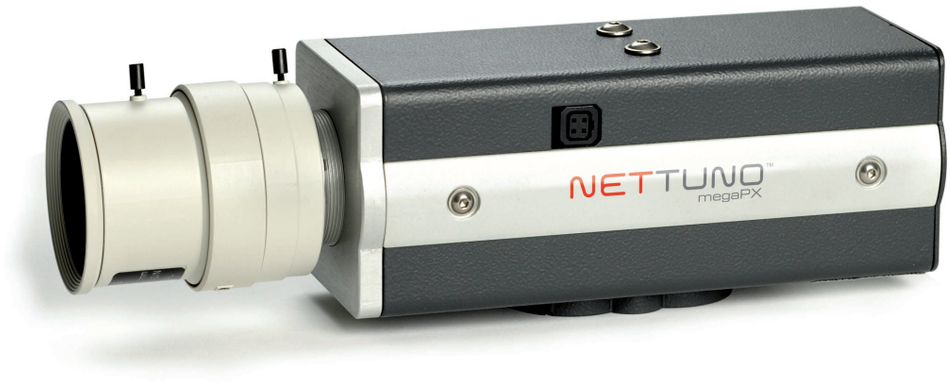
NETTUNO™ megaPX



VISUALIZATION

The new CIEFFE NETTUNO MegaPX network camera is equipped with a high-resolution (2 Mpixels) CMOS sensor by Micron.
NETTUNO MegaPX can send to the network high resolution images –1600 x 1200 or 2 Mpixels – at 15 fps, or real time images (25 fps) with a 1280 x 960 resolution (1,3 Mpixel).
The CMOS sensor allows to automatically adjust white balancing and colour saturation level, thus guaranteeing excellent images in standard settings as well as in scenes with high dynamic range and under any lighting condition. The camera independently controls and manages the autoiris of the fitted lenses according to the light condition of the scene selected.

COMPRESSION

MPEG4 compression allows to optimize data in a much more efficient way than traditional compression methods, thus eliminating problems related to the available bandwidth and reducing traffic and storage costs. Therefore, it is possible to achieve an extremely high resolution with an extremely small bandwidth usage. MPEG4 compression is managed by a dedicated DSP, with proprietary firmware, that can be updated over the network if new algorithms are implemented.

EASE OF USE

NETTUNO MegaPX can be powered directly through the Ethernet port (Power Over Ethernet compliant).
An SDCard slot allows to add memory for local storage of single frames or short videos.
Every camera has an integrated web server, enabling live view of images through any TCP/IP connection via Internet Explorer, without the need for additional software.
NETTUNO MegaPX is suitable for stand-alone use or in combination with DVMS of the SPECTIVA and LINEARIS series. The IP transmission and the use of the best video-compression algorithms allow to achieve flexible and scalable solutions for any type of CCTV installation.

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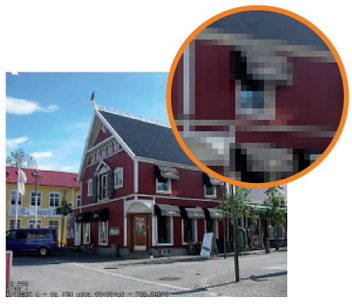
NETTUNO megaPX

	Nettuno megaPX
Sensor type	CMOS progressive scan
Sensor array size	4,73mm (H) x 3.52 mm (V)
Sensor size	Diagonal 5,7 mm (1/3,2") 2.8 um x 2.8 um
No. of pixels (effective)	1600 (H) x 1200 (V)
Color filter array	RGB Bayer Pattern
Light responsivity	1.0V/ lux-sec
Dynamic range	71 dB
Signal to noise ratio	42.3dB
White balance	Auto tracking, manual, preset
Backlighting compensation	Yes
AGC/Auto Iris	Yes
Compression Algorithms	MPEG4 MainProfile, MPEG4 ES Raw, H.264, JPEG
Ethernet port	10/100 Mbit
Supported protocols	TCP/IP (All resolutions) UDP (max in D1) - RTP/RTSP (max in D1)
Supported resolutions	Configurable, max resolution 1600x1200
Web server	Yes
Processor	Multimedia DSP
Audio in	1 Stereo
Audio output	1 Stereo
Power Supply	12Vdc / POE
Power over Ethernet (PoE)	Yes
Power consumption	< 6W
Operating temperature	0 - 50 °C
Relative humidity	8 - 90% not condensing
Weight	0,5 Kg
Dimensions	60W x 140D x 55H mm



Standard camera D1 resolution

Nettuno MegaPX 2Mpixel resolution

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) for each pixel
- Zero smear
- Minimal blooming
- Wide dynamic range
- White balance: auto tracking, manual, and presets
- Gamma correction options
- Electronic shutter
- Automatic gain control
- Backlight compensation control
- B/W mode
- Excellent video quality thanks to MPEG4 Main Profile compression
- Simultaneous MPEG4 encoders: 4
- Transmission of up to 25 images at 1280x960 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
- PTZ control via RS485 serial port

2 year warranty

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