

# NETTUNO™ mini



Nettuno  
Nettuno Senses  
Nettuno Codec  
Nettuno Mini  
Nettuno Dome

NETTUNO MINI is a new, standalone, non-PC based, compact, solid state, fully embedded video codec capable of encoding video and audio from an analogue video/audio source in real time.

NETTUNO uses a dedicated 600Mhz programmable DSP to deliver full frame, full resolution, excellent visual quality real-time video, encoding on-the fly, all-in-one compression engine that is capable of 2 multi stream MPEG4.

NETTUNO MINI is compatible with any analogue camera and incorporates a fully integrated single bi-directional audio channel and multi-vendor PTZ control (RS 422/485). Single alarm input and auxiliary output are also provided.

## WHY NETTUNO

NETTUNO, whether operated as standalone or combined with the powerful CIEFFE SPECTIVA® and LINEARIS™ Digital Video Management System (DVMS) platform, allows you to create extremely high performance, high quality digital CCTV networks that are both infinitely scalable and flexible. NETTUNO eliminates the need for conventional camera/PTZ control cabling - all video and audio is delivered over TCP/IP network for live viewing and recording with no interference.

NETTUNO MINI delivers full frame, full resolution, excellent visual quality real-time digital video and audio over TCP/IP, for seamless integration into network connected CIEFFE SPECTIVA and LINEARIS Digital Video Management Systems.

The programmable DSP approach provides for a flexible, future-proof solution - NETTUNO firmware is upgradeable - enabling easy support for new and improved future compression algorithms.

NETTUNO is a low-power, firmware based device which runs without an operating system to provide the ultimate in performance and reliability. Experience the difference of deterministic, real time (25/30 IPS per camera) multi-compression performance at full PAL/NTSC resolution (720 x 576 pixels / 720 x 480 pixels).



- Light and compact
- Solid state, low power design
- Auto-configuration wizard
  - Full screen live
- Multi-vendor PTZ control
  - Alarm input
  - Relay output
- Firmware upgrade via the network
- Compatible with existing networks

State-of-the-art DSP hardware based compression engine provides superior performance and high quality lip-synchronised video and audio at all times, regardless of image content.

NETTUNO integrates seamlessly and transparently into any SPECTIVA and LINEARIS DVMS as a network connected camera - natively supported by CIEFFE SiteManager, CIEFFE SPECTIVA RemoteControl and VisionWEB - enabling control, configuration and operation of NETTUNO connected devices directly from any CIEFFE client.

	NETTUNO MINI
Video input	1
Loopthrough	No
Video output	No
Audio input	1 Stereo
Audio output	No
Simultaneous encoders	2
Simultaneous decoders	N/A
Compression algorithm	MPEG4 Main Profile MPEG4 ES Raw MPEG4 Adaptive™
Supported resolutions*	720x576/720x480 D1 720x288/720x240 2CIF 360x288/360x240 CIF 180x144/180x120 QCIF
Web server	Yes
Processor	DSP 600Mhz
Dome control	RS.485
Ethernet	10/100MBit
Power over ethernet compliant	No
SD Slot	No
Power supply	12Vdc
Power consumption	4W
Operating temperature	5 – 55 °C
Relative humidity	8 – 90% non condensing
Weight	0,5 Kg
Dimensions	90W x 80D x 35H mm



## FEATURES

- Completely embedded non-PC architecture
- DSP based hardware – flexible and future proof architecture
- Multi-role – encoder (SPECTIVA e LINEARIS Network Interface)
- Exceptionally high quality of video and audio using MPEG4 compression
- Encoding speed of 25/30\* full resolution images per second at maximum quality and resolution
- Seamless and transparent integration into SPECTIVA DVMS networks – all SPECTIVA features extend to network cameras connected via SPECTIVA Network Interface
- PTZ control – fully integrated multi-vendor PTZ support with minimum latency
- Powerful networkability - true client-server architecture with full remote control via TCP/IP and unlimited scalability

## COMPATIBLE SOFTWARE

- RemoteControl - Full TCP/IP Client
- RemoteView - Simple TCP/IP Client  
Movie Viewer
- VisionWeb - Internet Explorer  
TCP/IP Client
- VisionPocket - Pocket PC client
- SiteManager - Full TCP/IP  
Multi-server Client
- Cieffe Developer Kit - API

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.



Italy - United Kingdom - Benelux  
New Zealand - Australia - Japan  
USA - Middle East - Singapore

3 year warranty

\* PAL / NTSC

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