

NETTUNOTM

senses



- Light and compact
- Solid state, low power design
- SD RAM recording / Network transmission buffer
- Auto-configuration wizard
- Full screen live
- Multi-vendor PTZ control
- Alarm input
- Relay output
- Firmware upgrade via the network
- Compatible with existing networks
- Integrated Deepath2 algorithm

NETTUNO SENSES is the most advanced Network Codec of the NETTUNO series. This state-of-the art surveillance technology, based on the new 720 Mhz DSP, capable of managing 4 video streams at the same time, can now manage motion tracking and behaviour analysis thanks to CIEFFE algorithm Deepath2.

Deepath2 can be seen as a group of independently working agents, collaborating and exchanging results concerning the video streams. The agent's results are inserted in a multidimensional event database. Events are then correlated by time, space, and other parameters. Temporal-spatial correlations among events can result in "smarter" alarms.

Designed to be completely solid state (no fans or moving parts), NETTUNO is extremely compact in size (90W x 120D x 35H mm). Its power consumption (<5 w) is minimum, making it the perfect choice for any environment.

NETTUNO SENSES can connect a single composite video camera (and single audio channel) to the network and transmit D1 resolution (D1 @ 720x576 pixels / 720 x 480 pixels) video and stereo audio in real time using MPEG4 Main Profile algorithm. Moreover it can be seamlessly integrated as a network camera in any SPECTIVA® (v 2.00 or higher). Output can be viewed live, analyzed, and recorded as if it were produced by a conventional camera connected to Spectiva via coax. NETTUNO can use SD memory to provide video data buffering and eliminate video recording loss due to network disruption or failure.

Motion alarm

It's possible to set the type of movement to detect, based on speed, direction, shape, and size of the object. Different settings are possible for multiple zone handling. The system also detects slow movements.

Overtake alarm

For detecting a vehicle overtaking another in a zone where this maneuver is not allowed or where the visibility is limited.

Bottlenecks alarm

An event is thrown when the system detects a queue caused by a sudden brake or a car accident.

Traveling the wrong way alarm

An alarm can be triggered when a vehicle is moving in the wrong direction (e.g. against the traffic flow), endangering others.

Panic alarm

Serious or dangerous situations can be marked by detecting abnormal behavior of people when they are panicking.

Excessive speed alarm

An alarm can be given by the system when the speed of a vehicle exceeds a given limit. It's possible to setup different zones with specific speed limits.

Permanence of objects and persons

An object can be detected when it stands still for a given time in a place that is being monitored for security reasons (i.e. luggage in an airport, a vehicle parked in a critical zone, or an object that has been removed from its usual placement). Alarms can be given based on the shape and size of the object.

Camera occlusion alarm

An alarm can be triggered when a camera is darkened, or occluded by an object that obscures or conceal landscape details.

Tracking alarm

The system detects the path of a moving object, vehicle or person, based on shape, size, and speed. The system raises an alarm for specific paths.

Person counter

It is possible to keep track of the number of people crossing a virtual line, for statistical analysis or for gathering relevant information. It is also possible to set an alarm that goes off when a specific number of people (or people-per-hour) cross the line.

	NETTUNO SENSES
Video input	1
Loophthrough	Yes
Video output	N/A
Audio input	1 Stereo
Audio output	1 Stereo
Simultaneous encoders	1
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 720Mhz
Dome control	RS.485
Ethernet	10/100 Mbit
Power over ethernet compliant	Yes
SD Slot	Yes
Power supply	12Vdc
Power consumption	4W
Operating temperature	5 – 55 °C
Relative humidity	8 – 90% non condensing
Weight	0,5 Kg
Dimensions	90W x 120D x 35H mm



FEATURES

- Completely embedded non-PC architecture
- DSP based hardware – flexible and future proof architecture
- Power over Ethernet capable
- 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
- Seamless and transparent integration into Cieffe SiteManager as network connected analogue spot video monitor output (with audio)
- 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
- Advanced motion detection and tracking intelligence

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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