



SPECTIVA®

Spectiva
Spectiva RT
Spectiva RTL
Spectiva NET



SPECTIVA is CIEFFE's most advanced digital audio/video recording and management system (DVMS) with 32 universal video inputs (analogue and IP). This powerful DVMS is the result of CIEFFE's ongoing research for developing the highest quality surveillance technologies.

The new Real Time 2.06 version features a multi-encoder technology that can use multiple compression modes in real time for each channel with H264 and MPEG4 Main Profile algorithms. SPECTIVA is the first DVMS in the world to offer broadcast quality video up to 20 times better than other systems that use Wavelet, JPEG, differential and MPEG2 algorithms. It can also generate multiple H264 and MPEG4 Main Profile streams for each camera, allowing for flexible and optimized management of video streams to the connected clients: each stream can be sent to several platforms for different purposes (for instance, 2Mbit in D1 for real time recording, 256 Kbit CIF for ADSL connection, 10 Kbit QCIF for transmission to GPRS networks).

MAXIMUM SECURITY

Once recorded, the data is encrypted for security reasons. SPECTIVA's embedded architecture and integrated firewall (designed by Insignis Technologies) make it invulnerable to virus attacks. The architecture is fault tolerant in order to guarantee the highest level of security.

The unparalleled performance levels of SPECTIVA 2.06 make it an excellent choice for banks, casinos, airports, mines, government organizations, industrial facilities, military installations, schools and other installations requiring premium levels of digital CCTV performance and flexibility. Its client-server architecture uses both conventional and networked CCTV cameras and audio sources: it can display live and recorded video and can simultaneously broadcast and store audio and video (in real time for the most advanced models). Finally, it can be remotely updated. Videos are stored at 720x576/PAL and 720x480 NTSC pixels) with lip-synchronized stereo audio. It offers a variety of tools to analyze and accurately interpret the data in real time for maximum security. Inputs and (integrated) external alarm outputs, resolution, compression level and all other recording parameters can be adjusted on a camera by camera basis.

The internal storage system features RAID5 architecture to prevent the loss of archived data in the event of a hard drive breakdown. After the introduction of a SmartCard-based access control procedure, the system has become even safer.



- Loophthrough
- USB 2.0 support
- Auto-configuration wizard
- VGA video interface
- Full screen live
- Full screen playback
- H.264 compression
- Bi-directional audio channels
- Alarm inputs
- Relay outputs
- Pre-alarm recording
- Pre-motion recording
- Camera darkening detection
- Camera movement detection
- Privacy patch
- Audio detection
- Virtual zoom
- Image touch-up
- Image print
- Image/video export
- Image/video export authentication
- Network camera support
- Embedded operating system
- Firmware upgrade via network
- Compatible with existing networks



Easy to use "point & click" interface



Pan, tilt & zoom control





	SPECTIVA 4 • 8 • 32 RT	SPECTIVA 16 RTLC • RTLR	SPECTIVA 32 NET
Video inputs	4 • 8 • 16 analog - 32 IP	16	32 IP
Loopthrough	Yes (for analog inputs)	Si	No
Audio channels	8 mono • 16 mono • 32 mono 4 stereo • 8 stereo • 16 stereo	8 mono / 4 stereo	IP
Spot monitors	Yes (via TCP/IP)	Yes with HOSPOT and via TCP/IP	Yes (via TCP/IP)
Audio channels (bi-directional)	1	1	1
Alarm inputs (optoisolated)	4 • 8 • 16	16	IP
Auxiliary outputs (relay)	4 • 8 • 16	16	IP
Operator interface	VGA	VGA	VGA
Internal storage archive	Up to 2 TB native	Up to 2 TB native	Up to 2 TB native
Raid5 archive with hot swap disks	Yes	Yes (RTLr)	Yes
Recording speed	100/120 @ D1* • 200/240 @ D1* • 800/960 @ D1*	400/480 IPS* @ CIF 200/240 IPS* @ 2 CIF 100/120 IPS* @ D1	800/960 @ D1*
Resolution	D1 (720x576/720x480*) 2CIF (720x288/720x240*) CIF (360x288/360x240*) QCIF (180x144/180x120*)	D1 (720x576/720x480*) 2CIF (720x288/720x240*) CIF (360x288/360x240*) QCIF (180x144/180x120*)	D1 (720x576/720x480*) 2CIF (720x288/720x240*) CIF (360x288/360x240*) QCIF (180x144/180x120*)
IPS per camera	From 1 IPS to 25/30 IPS*	From 1 IPS to 25/30 IPS*	From 1 IPS to 25/30 IPS*
Recording compression algorithms	H264 / MPEG4 Main Profile / Enpacta / Wavelet	MPEG4 Main Profile	H264 / MPEG4 Main Profile Enpacta / Wavelet / JPEG
Transmission compression algorithms	H264 / MPEG4 Main Profile / Enpacta / Wavelet MPEG4 Adaptive	MPEG4 Main Profile / MPEG4 Adaptive	H264 / MPEG4 Main Profile Enpacta / Wavelet / JPEG
Multien coding system	Yes	Yes	Yes
Ethernet ports	Gigabit	Gigabit	Gigabit
USB port	Yes (v2.0)	Yes (v2.0)	Yes (v2.0)
Serial interface	RS.232	RS.232	RS.232
Keyboard / Mouse port	PS/2	PS/2	PS/2
Operating system	XP Embedded	XP Embedded	XP Embedded
Main processor	Intel P4	Intel P4	Intel P4
Power supply	110 / 220 VCA ± 10%	110 / 220 VCA ± 10%	110 / 220 VCA ± 10%
Power consumption	450 W	450 W	450 W
Operating temperature	5 – 50 °C	5 – 50 °C	5 – 50 °C
Relative humidity	8 – 90% non condensing	8 – 90% non condensing	8 – 90% non condensing
Weight	Circa 20Kg	Circa 20Kg	Circa 20Kg
Dimensions	435 x 550 x 177 mm	430 x 350 x 90 mm • 435 x 550 x 177 mm	435 x 550 x 177 mm

HIGH PERFORMANCE AND QUALITY

- Recording speed up to 800/960* images per second at maximum quality/resolution
- True Pentaplex Functionality – simultaneous recording, playing, viewing, archiving and transmitting at all times, regardless of image content or system activity
- Multi-sector recording – multiple recording speeds, recording qualities and recording times for each camera
- Multiple playback of synchronized audio and video from one or more SPECTIVA servers

TOP SECURITY

- Motion detection – integrated Dynamic Neural Networks-based motion detection, configurable for each input
- Motion tracking and behaviour analysis with the new Deepath™ algorithm
- Neural search – intelligent neural-network based image search based on movements or objects contained within a camera view
- Permanency detection - detect any specific object or movements within any camera view and raise an alarm

HIGH QUALITY

- Multiple image compression algorithms - H264, MPEG4 Main Profile, Wavelet e Enpacta™
- Quality and savings – high quality video transmission on extremely low bandwidths for reduction of storage and connectivity costs

FULL NETWORKING

- Powerful networkability – true client-server architecture with full remote control via TCP/IP
- Use of any network storage device for greater flexibility and unlimited storage capacity
- Integrated web video/audio server for connections via Internet Explorer

COMPATIBLE SOFTWARE

- RemoteControl - Full TCP/IP Client
- RemoteView - Simple TCP/IP Client
- VisionWeb - Internet Explorer TCP/IP Client
- SiteManager - Full TCP/IP Multi-server Client / SiteManager
- Cieffe Developer Kit API

HARDWARE OPTIONS

- Internal CD/DVD writer
- External USB CD/DVD writer
- SCSI port
- USB RS422/RS485 interface for dome control
- USB I/O Extension board interface for dome control
- External RAID6 storage rack

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

2 year warranty

* PAL / NTSC

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