ScatiVision NVR J Series

Scati Vision recording systems are powerful multitask recording platforms, capable of perform simultaneously capture, recording, storage, viewing in real time and recorded, image transmission and alarm notification and management/monitoring.

Intelligent video analysis in real time with different functionalities such as tampering or camera handling, abandoned object detection and movement (depending on the model) is included.

Fully integrated with the rest of Scati Suite tools, the video recorder allows the access **in a remote** and secure way for the authorized operators and it is provided with a system for the **hardware and software autodiagnosis** to facilitate preventive and corrective maintenance.

With **GigaEthernet connectivity** and combination **up to 32 IP cameras** (depending on the model), **Scati Vision series J** offers resolutions up to **800/960 IPS in Megapixel resolution** (per unit) and possibilities of storage up to **12 TB** in different hardware formats.

It allows connection for up to **20** programmable **inputs and outputs** through an external device (optional).

Functional characteristics

Description	Professional video recording System designed to provide maximum stability and results for video surveillance key functionalities. It incorporates **Embedded Operative System in self-protected Flash memory card (SSD)** by default, preventing from data loss and system corruption (depending on the model).
Video recording	Up to 800/960 (PAL/NTSC) ips per unit in Megapixel resolution. Recording speed configurable per camera and framerate. **H.264 / MPEG4** standard compression formats with configurable quality per camera.
Recording modes	Continuous, per programmable calendar or started by external event or alarm (with configurable pre and post alarm video capture).
Video storage	Adjustable storage according to the number of recording days subject to the legislation currently in force. Possibility of RAID 6 mounting for redundancy in storage and failover architecture.
Telemetry	Local and remote PTZ Control Telemetry. PTZ camera presets can be defined.
Real time viewing	Local monitoring on VGA monitor or from the rest of Scati Suite tools. Simultaneous management for up to 32 cameras (depending on the model), full screen or mask, hide cameras, performs rounds and selection of cameras on the screen. Adaptation of transmission to the bandwidth.
Video search	Simultaneous video search for multiple cameras, with graphic date/time summary, any other captured event-alarm or movement detection without the need to stop the recording, both local and remote from **Scati Watcher** management/monitoring tool.
Video export	Simultaneous download of different sequences from **Scati Watcher** tool, allowing the selection of temporary range and video resolution and size. Possibility of digital signature.
Alarm management	Real time notification for both technical alarms and occurred events (physical sensors, video intelligent, etc) in local and/or to Scati Watcher control centre or to different e-mail accounts. Filtered per type of alarm and history register. Visual verification with associated video. Technical alarms: excess temperature alert, hard disk state, space shortage, writing problems, non-controlled restart, SAI, configuration changes, no-signal camera, etc.
Integration with third parties	**Scati Vision** recorder allows for integration with platforms from third parties through its SDK and/or through the alarm concentrator Scati Hub unit.
HeartBeat	**Scati Watcher** control centre receives Scati Vision recorder state and its technical alarms in real time.
Permits and audit.	Management of user or group permits with an allowed/not allowed **action history** performed on the unit. Operation report on the unit: configuration, database searches, communication activities, live or recorded video requests.

Available models

Box	Ultra compact
Dimensions	295 H x 60 W x 285 D mm
Video inputs	Up to 9 IP cameras
Video outputs	1 VGA
Network interface	1 RJ-45 10/100/1000Base-T
Communications	4 USB, 1 serial port (optional up to 2)
Power supply	Max. Internal 80 W. Voltage 12 VDC

Box	Compact
Dimensions	95 H x 320 W x 375 D mm
Video inputs	Up to 9 IP cameras
Video outputs	1 VGA + 1 DVI-D
Network interface	1 RJ-45 10/100/1000Base-T
Communications	4 USB, 2 serial ports.
Power supply	Max. Internal 270 W

Box	Rack
Dimensions	175 H x 485 W x 550 D mm
Video inputs	Up to 16 IP cameras
Video outputs	1 VGA
Network interface	2 RJ-45 10/100/1000Base-T
Communications	4 USB, 1 serial port (optional up to 5).
Power supply	Max. Internal 650 W.

Box	Pro Rack
Dimensions	175 H x 485 W x 550 D mm
Video inputs	Up to 32 IP cameras
Video outputs	1 VGA + 1 DVI-I
Network interface	2 RJ-45 10/100/1000Base-T
Communications	8 USB
Power supply	Max. Internal 750 W.

Box	RAID 2U box. High availability server. Redundancy in storage (RAID6), power supply and network interface.
Dimensions	88 H x 430 W x 660 D mm
Video inputs	Up to 32 IP cameras
Video outputs	1 VGA
Network interface	2 RJ-45 10/100/1000Base-T
Communications	2 USB, 1 serial port
Power supply	Max Internal 750 W.

***Optional Failover Architecture:** At the moment one complete server fails, the "stand-by" server automatically takes the management/recording of its cameras, avoiding any loose of recorded video. Maximum redundancy in storage: failure of 3 hard-disk of the cluster or 1 hard-disk and 1 complete server.

Additional information

Sensors	Up to 20 programmable inputs available through external device.
Relays	Up to 20 programmable inputs available through external device.
Audio Channel	1 minijack stereo input, 1 minijack stereo output. Full-duplex communication.
Segurity/EMC	FCC, UL, CUL, CE, TUV

References

Windows XP Embedded or Professional Operation System and configurable hard disk capacity. References for recording units available for Scati Vision NVR Series J are specified as follows:

VSJ4-XPE-M01	Scati Vision video recorder for 4 IP cameras in ultra compact box.
VSJ4-XPE-CV1	Scati Vision video recorder for 4 IP cameras in compact box.
VSJ4-XPE-RV1	Scati Vision video recorder for 4 IP cameras in rack box
VSJ9-XPE-M01	Scati Vision video recorder for 9 IP cameras in ultra compact box.
VSJ9-XPE-CV1	Scati Vision video recorder for 9 IP cameras in compact box.
VSJ9-XPE-RV1	Scati Vision video recorder for 9 IP cameras in rack box.
VSJ9-XPP-RM1	Scati Vision video recorder for 9 IP cameras in Pro rack box
VSJ9-XPP-IV1-R6	Scati Vision video recorder for 9 IP cameras in RAID 2U box.
VSJ16-XPE-RV1	Scati Vision video recorder for 16 IP cameras in rack box.
VSJ16-XPP-RM1	Scati Vision video recorder for 16 IP cameras in Pro rack box
VSJ16-XPP-IV1-R6	Scati Vision video recorder for 16 IP cameras in RAID 2U box.
VSJ25-XPP-RM1	Scati Vision video recorder for 25 IP cameras in Pro rack box
VSJ25-XPP-IV1-R6	Scati Vision video recorder for 25 IP cameras in RAID 2U box.
VSJ32-XPP-RM1	Scati Vision video recorder for 32 IP cameras in Pro rack box
VSJ32-XPP-IV1-R6	Scati Vision video recorder for 32 IP cameras in RAID 2U box.

All characteristics and technical specifications are subject to modifications from the manufacturer for the product improvement. The ones included in this brochure are for guidance and valid except for misprint.

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Please consult data sheets for further information about the unit technical characteristics.