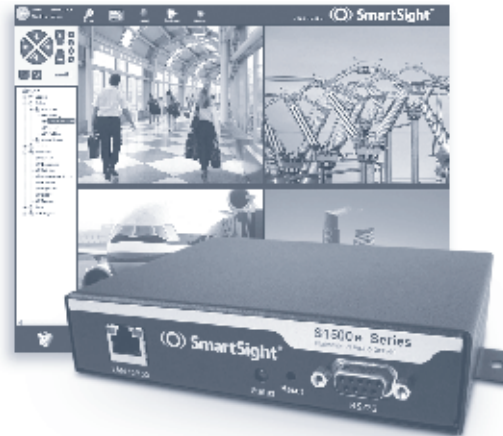


**DIGITAL.
DISTRIBUTED.
NETWORKED.**



Product Overview

Part of United Technologies Corporation's networked video solution, the S1500e series is designed for video monitoring and surveillance over IP networks. It delivers high-quality MPEG-4-based video over 10/100Base-T networks using cat 5, fiber optic, and wireless media. The servers can easily be extended over local and wide area networks (LANs and WANs) or the Internet using ISDN, PSTN, or xDSL routers. These Ethernet video servers are built on open standards and are entirely firmware upgradeable to provide long-term investment protection.

The S1500e video servers come in three versions: a video encoder (S1500e-T) with one analog video input at 30 frames per second (fps); a video encoder (S1502e-T) with two analog video inputs at 15 fps; and a video decoder (S1500e-R) with one analog video output (NTSC/PAL).

The configuration and management of these servers are made easy with the user-friendly interface provided by United Technologies Corporation's nDVR distributed video management and storage software.

Key Features

- First industrial CCTV solution allowing cost effective migration of analog CCTV cameras to IP networks
- All firmware upgradeable via the network (including the video codec)
- User selection of RTP/IP, UDP/IP, TCP/IP, or multicast IP network protocols
- Dual-stream MPEG-4-based video for each input
- When combined with nDVR, one stream can be used for high-resolution, low-frame-rate recording and the other for low-resolution, high-frame-rate viewing over the Internet
- Scalable resolution from 176 x 120 pixels to 704 x 480 pixels (NTSC format)
- RS-232 DB-9 serial port for configuration or integration to the access control system
- RS-422/485 serial port to support motorized domes and cameras
- 3 discrete inputs and 1 relay output
- Optional bidirectional audio interface supporting microphone or line-level input, and headphone or line-level output
- Video loss alarm
- SSL-based user authentication

Specifications

S1500e™ Series Ethernet Video Servers

Network

Interface	Ethernet 10/100Base-T
Connector	RJ-45 jack
Protocols	Transport: RTP/IP, UDP/IP, TCP/IP, or multicast IP Others: DNS and DHCP client
Security	SSL-based authentication

Video

Input	S1500e-T: 1 composite, 1 Vpp into 75 ohms (NTSC/PAL) S1502e-T: 2 composites, 1 Vpp into 75 ohms (NTSC/PAL)
Output	S1500e-R: 1 composite, 1 Vpp into 75 ohms (NTSC/PAL)
Connectors	BNC female
Compression	MPEG-4-based
Resolution	Scalable from 176 x 120 to 720 x 480 NTSC pixels (176 x 144 to 720 x 576 PAL pixels)
Frame rate *	S1500e: 1-30 fps programmable (full motion) S1502e: 2 at 1-15 fps programmable (full motion)
Bandwidth	Configurable between 30 kbit/sec. and 4 Mbit/sec.

Serial Port

Electrical levels	Port 1: RS-232 (max. 230 kbps) Port 2: RS-422/485 2/4 wires (max. 230 kbps)
Connectors	Port 1: DB-9 Port 2: pluggable screw-terminal strip
Operating mode	Transparent serial port supporting any asynchronous serial protocol (specific protocol emulation may be supported on request)

Alarm and Audio

Alarm	Input: 3 dry contact inputs Output: 1 relay contact output (48V AC/DC at 100 mA max.)
Bidirectional audio	Input: -46 to -3 dBV into 1 kOhm Output: -46 to -3 dBV into 16 ohms min.
Audio connectors	0.14 in. (3.5 mm) input and output stereo jacks

Power

Supply voltage	12V DC +/- 10%
Consumption	6W (up to 500 mA at 12V DC)

Physical

Enclosure	Metal case with flange mount (black color)
Size	4.52L x 5.6W x 1.25H in. (115L x 142W x 32H mm)
Weight	0.84 lbs (0.38 kg)
Environmental	32°F to 122°F (0°C to 50°C)
Humidity	95% non condensing at 122°F (50°C)

Management

Configuration	Remote: via nDVR, SConfigurator™, or Telnet Local: via the serial port using any ASCII terminal
Firmware upgrade	Flash memory for upgrade of video codec and application firmware over the network

Certification and Regulation

USA	FCC part 15 (subpart B, class A), ICES-003/NMB-003
Europe	CE marked, EN 55022:1998 class A, EN 55024

Warranty

3-year limited warranty, covering parts and labor

Ordering

Part number	S1500e-T
Description	Ethernet video server encoder
Part number	S1500e-R
Description	Ethernet video server decoder
Part number	S1500e-T-A
Description	Ethernet video server encoder with audio
Part number	S1500e-R-A
Description	Ethernet video server decoder with audio
Part number	S1502e-T
Description	Ethernet video server encoder with 2 video inputs
Part number	S1502e-T-A
Description	Ethernet video server encoder with 2 video inputs and audio
Part number	S1500e-T-XT
Description	Ethernet video server encoder with extended temperature range of -22°F to 144°F (-30°C to 60°C)
Part number	S1500e-T-A-XT
Description	Ethernet video server encoder with extended temperature range of -22°F to 144°F (-30°C to 60°C) and audio

Optional accessory

Part number	SRM10
Description	Standard black anodized 19-inch rackmount panel (for 10 modules)

* The S1500e offers two independent programmable streams per video input