

SceneGate 8500

High Definition IPTV STB with PVR

Set-top Box



The SceneGate 8500 is an enhanced IPTV STB, offering unique high definition (HD) decoding and picture quality, with various options from PVR to WLAN. SceneGate 8500 is the ideal mid range STB for IPTV solutions.

It provides a wide range of interfaces HD decoding and display quality up to 1080p with 60 Hz via an HDMI 1.3 interface. Therefore high definition content services like Video on Demand (VoD) and linear IPTV services can be brought to the user with unique quality supporting a wide range of video and audio codecs. Time Shift TV (TSTV) or program recording in parallel to watching an HD program from either input in conjunction with a standard definition (SD) picture-in-picture decode are possible scenarios.

- Video Display 1080p
- HDMI 1.3 with HDCP
- Flexible Software API
- EU CoC Stand-by Mode
- Video Recorder
- VFD Display

The latest system on chip technology provides enhanced processing power and memory allowing sophisticated applications and attractive user interfaces.

Albis Technologies has made exceptional efforts to optimize the system and graphic performance to its best. The flexible software framework provides open APIs for integration with native or browser based middleware clients and applications. For integration with today's internet media offerings, the software framework can be extended with a flexible media engine allowing de-multiplexing and decoding of the most popular container and codec format including flash video. In addition DLNA based media sharing is available for applications to allow in-home streaming or multi-room concepts.

With its contemporary design the SceneGate 8500 STB is a cost effective device for today's living room services. High engineering quality and optimized software guarantee excellent user experience and customer satisfaction for your services.

System

Chipset	Sti7105, 800DMIPS general purpose CPU
System memory	256 MB* / 512 MB DDR2-800 MHz
Flash memory	128 MB NAND, 2 MB NOR
Hard Disk	250GB (larger HDDs on request)
Operating system	Linux® 2.6

Physical Characteristics

Data interfaces	2 x USB 2.0 host (front/rear); 1 x Ethernet WAN (10/100 Mbps)
Audio interface	1 x Audio L/R; 1 x S/PDIF optical
Video interface	1 x HDMI 1.3; 1 x SCART; 1 x Composite
LED indicators	Power on/standby
Display	Alphanumeric (VFD) 16 characters and 16 symbols
Buttons	Power of (back); Standby (eluminated) front; 7 control buttons
Dimension (BxTxH)	360 mm x 250 mm x 65 mm
Power Consumption	< 15 W
Weight	~ 2.6 kg (depending on options selected)

Coding

Audio	MPEG-1 L1/L2; MPEG-2; Dolby® Digital (Plus) 2.0/5.1 (AC-3), Down Mix, Dolby® Digital (Plus) pass through to S/PDIF MPEG-1 L3 (MP3) ¹ , AAC ¹ , HE-AAC ¹ , WMA ¹ , DTS ¹
Video	MPEG-2 MP@ML (SD) and MP@HL (HD 1080p@30Hz); max. display resolution 1080p@60Hz MPEG-4 Part 10 (H.264) MP@L3 (SD) and HP@level 4.1 (HD 1080p@30); Display resolution up to 1080p@60Hz DivX ¹ , VC1 ¹ , VP6 ¹ , FLV ¹

Copy Protection	HDCP; Macrovision
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Certificates	CE, Declaration of Conformity; EMC/Emission: EN 55013, EN 55022, EN 610000; EMS/Immunity: EN 55020, EN 55024; Safety: EN 60065 (EN 60950), Environmental: EN 300019
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Protocols	RTSP (VoD), DHCP, NTP, IGMPv2/v3; RTP, HTTP(S), UDP, TCP
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Hardware Options	WLAN (802.11 b/g/n); Smart Card Reader
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Software Options

Middleware/Application	Nokia Siemens Networks - IPTV solution; Dreampark - Dreamgallery; Zappware - iView; Tara Systems - TVolution; others on request
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DRM/CA	Verimatrix; others on request
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Misc	Opera Browser™; Skelmir JVM; Media Player (DLNA based); Universal Media Framework; Software Update Server; Cisco VQE (RET) Software Development Kit with C/C++ API or JavaScript API
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Accessories	Remote Control Ethernet Cable; SCART cable; HDMI cable; Audio L/R cable (2 x RCA) Audio/Video cable (3 x RCA)
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Scope of delivery	SceneGate 8500 STB; Power Supply (12V/3A); Manual (English); selected accessories
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Customization Options	Customer specific Remote Control; Customer Logos on RC and Front Panel; Labeling and Packaging; Cables; Boot and Splashscreen
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* optionally available on request

¹ optionally available on request; requires additional license