

# DSR 9500 Series

DSR 9500 Z: Dual Common Interface Slots and Smart Card Readers for Conax Embedded  
DSR 9500 VIA CI: Dual Common Interface Slots and Smart Card Readers for Viaccess Embedded  
DSR 9500 EMVIA: Smart Card Readers for Viaccess Embedded  
DSR 9500 CI: Dual Common Interface Slots

## Technical Specifications

<b>SYSTEM CAPABILITY</b>	
MPEG-2 Digital & Fully DVB Compliant	
<b>TUNER PART</b>	
Modulation	QPSK
FEC	Reed Solomon + Viterbi
Symbol Rate	2-45 MSys/S(SCPC/MCPC)
Convolution Code	1/2, 2/3, 3/4, 5/6, 7/8
Input Frequency	950-2150MHz
LNB Power Control	13V/18V, 22KHz Tone
DiSeqC	1.2 Supported
<b>DESCRAMBLER (CI, VIA CI)</b>	
Scrambling System	DVB Common Scrambling Algorithm
Embedded Conditional Access System	Viaccess(two slots)
Common Interface	×2
(Supported Module: Nagravision, Conax, Cryptoworks, Viaccess, Irdeto, Seca)	
<b>SOFTWARE UPDATE</b>	
Update software over the air(Astra, Hotbird, Sirius)	
<b>APPLICATION SYSTEM RESOURCES</b>	
Main CPU	16bit RISC CPU
FLASH	2Mbyte
EEPROM	32Kbyte
SDRAM	8Mbyte
<b>VIDEO DECODER</b>	
Decompression	MPEG2: Main Profile @Main Level
Video Transfer Rate	Up to 15Mbit/sec
Picture Resolution	720pixel × 576lines 560pixel × 576lines
Aspect Ratio	4 : 3, 16 : 9 Letter Box, Pan & Scan, Mixed, Full
SECAM Encoding	Supported
Decoding Teletext	Supported
Decoding Subtitle	Supported
PAL Encoding	Supported
Decoding MPEG Still	Supported
On Screen Display Graphics 16 bit colors	
<b>AUDIO DECODER</b>	
Decompression	MPEG 1, Layer 1,2
Sampling Frequency	32, 44.1, 48KHz
Operation Mode	STEREO, DUAL, MONO, JOINT STEREO



\* DSR 9500 CI

<b>SCART CONNECTOR (TV/VCR)</b>	
Output	RGB, CVBS, Audio L/R
<b>RCa CONNECTOR</b>	
Output	Video, Audio L/R
<b>UHF MODULATOR</b>	
Output Level	65-75dB $\mu$ V
Output	CH21 ~ CH69
Connector	IEC 169-2
System	PAL B/G, I, D/K
Audio	MIX MONO
Terrestrial	47-860MHz, 75 $\Omega$
<b>SERIAL DATA INTERFACE</b>	
Connector	9-pin D-sub Female
Signal	RS232 Specification
Data Transfer Rate	115.2 Kbps Max
<b>GENERAL FEATURE</b>	
Full Function Infra-Red Remote Control Unit	
Dimension	351 × 225 × 61mm
Full Tuner Loop Through	
Power Supply	95VAC ~ 240VAC
Voltage Frequency	50Hz
<b>SMART CARD (EM VIA, VIA CI)</b>	
ISO7816 Compatible	
<b>OTHER FEATURES</b>	
9 Favorite lists for TV and Radio each	
Advanced Electronic Program Guide	
- Autoupdate EPG - Adjustable Time Interval	
Digital Audio Output(SPDIF)	
S-VHS(SY.C)	
Video Track selected for multi-video programs	
Timer function supported	
Copy Channel Data from another DSR9500	
Software download from another DSR9500	
Solarsat supported	
SMATV scanning in terms of frequency or symbol rate	
Positioner and DiSeqC switch available at the same time	
Adjustable OSD transparency	
Adjustable time out for channel information	
NVOD programs supported	
Multi-language(19 languages) supports OSDI	
(English, German, French, Italian, Russian, Portuguese, Turkish, Spanish, Danish, Czech, Swedish, Norwegian, Finish, Greek, Serbian, Hungarian, Croatian, Arabic, Polish)	

SAMSUNG

# Digital Satellite Receiver

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DSR 9500 CI: Dual Common Interface Slots



\*DSR 9500 CI

\* Design and specifications are subject to change without notice.

SAMSUNG

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Distributed by:



- MPEG 2 / DVB Compliant
- SCPC / MCPC Receivable
- Multi-language (19 languages) Supported OSD (English, German, French, Spanish, Italian, Russian, etc.)
- Quick Scan and Channel Change
- Easy Installation (Scans 32 Satellites at the same time)
- Max. 4000 TV and Radio Channel Capacity
- Software Download Via Satellites (Sivius, Astra, Hotbird)
- 7day Electronic Program Guide on Screen
- Program Information
- PIP in Channel List
- Multi-language Subtitles
- Channel Sorting: Favorite List, Provider Name, Alphabetical, Transponders
- PIP in channel sorting and EPG
- Parental Lock
- Quick & Easy Antenna Installation (SolarSat Antenna Installation Program Embedded)



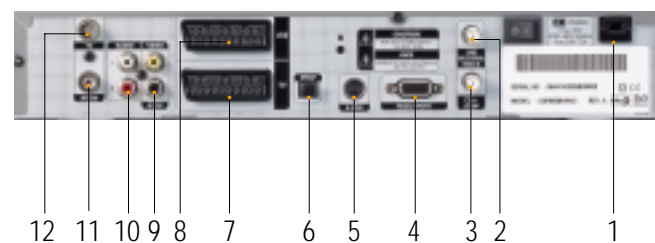
The silver-gray cabinet gives off a simple and elegant impression. Auxiliary control of the receiver is made possible via a set of front panel buttons. Slim and Digital Look (W × D × H): 351 × 225 × 61mm

#### Front Panel



1. Power Key
2. Auxiliary Control key
3. 7 Segment Display
4. Dual CI CAM Slot
5. Infrared Sensor
6. Dual Smart Card Readers

#### Rear Panel



1. AC Mains
2. LNB
3. Loop
4. RS 232 Data Port
5. S-VHS
6. SPDIF
7. TV Scart
8. VCR Scart
9. 0/12V
10. Video, Audio R/L
11. ANT.IN
12. TV

#### Software Features



##### Channel Sorting: Favorites List, Provider name, Alphabetical, Transponder

The Samsung Set-Top Box makes it possible for the user to select channels through the following ways Favorite List, Alphabetical, Provider name, and Transponder.

Favorite List: Channel Lists by user's favorite channels. (Supports 9 Favorite Lists)

Alphabetical List: Channel Lists by Alphabet order (A→Z)

Provider name: Channel Lists by Program Provider name.

Transponder: Channel Lists by frequency.

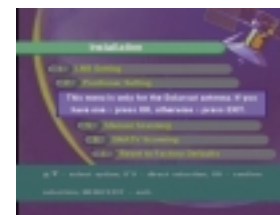


##### Advanced Electronic Program Guide

EPG is the function where the user can easily look up program lists by 7days in the past and in the present. Samsung Set-Top Box's EPG provides easier and more convenient program list services, because it uses 8 Direct buttons(Hot Keys) of the remote control.

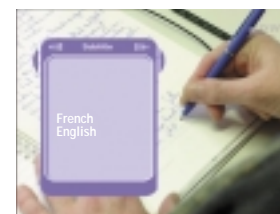
Hot Key Function

- Green Key: View lists by going back 1 day at a time up until 1 week ago.
- Yellow Key: View lists by going forward 1 day at a time until next week.
- 1: View lists by 90 minute blocks.
- 2: View lists by 60 minute blocks.
- 3: View lists by 30 minute blocks.
- 4: View lists by 15 minute blocks.



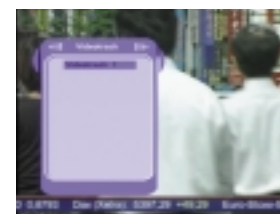
##### Quick and Easy Antenna Installation Program

The Samsung Digital Receiver has been distinguished from other competitors because of the embedded SolarSAT Program. Through the SolarSAT program and antenna along with the Samsung digital satellite receiver, the Installer and end-user can install satellite systems easier and faster than before, saving both time & money.



##### Multi-language Subtitles

The Samsung Set-Top Box supports Multi-languages for Subtitles and Audio Sound.



##### Video Track Selection Function

Users can select the video tracks when several are transmitted from the broadcasting station. This convenience allows users to enjoy the visuals they want to see through fluid camera selection.

Available CA > > >

viaccess  
a France Telecom company

NAGRAVISION

NDS

conax

CryptoWorks

irdeto access

MEDIA GUARD

MEDIA HIGHWAY

#### Remote Control



The ergonomically laid out buttons on the easy-to-handle remote control make it comfortable to use. You don't have to worry about using any unnecessary finger acrobatics here.