

DT263/DT264 DIGITAL SATELLITE RECEIVER



FEATURES

- Low Threshold Digital Tuner, with Loop Through
- MCPC/SCPC all Support (2 to 45Mb/s)
- Electronic Program Guide (EPG) For On Screen Channel Information
- USALS, DiSEqC 1.2, 1.0 Version Compatible
- RS232C for updating software and channel list (by PC to STB or STB to STB)
- Programmable of Over 4000 Digital channels
- Over 110 satellite/2000TP Programmable
- Auto Channel Search & Save Function
- Network & Multi-satellite Search Available
- Manual PID Insertion and Scan Function
- 8 Favorite Channel Lists
- Channel List Edit Function (Sort, Delete, Set, FAV, move, Rename)
- Tele-Text & Sub-Title Support
- SCART Connector (TV/VCR for DT263 or TV for DT264)
- Last Channel Memory
- Parental Lock for Channel & Menu
- PAL/NTSC/Secam
- Multi-Language for OSD Menu and Audio language
- Multi-pictures on screen (4,9,10,13,16)
- SMPS Power Supply (85-260V, 50/60Hz, 25W Max)
- 4:3/16:9; Pan & Scan, Letter box, Full Screen
- Channel list group (FTA/CAS/ALL/VIA/NAG/FAV/SATELLITE..etc)
- Support USALS DISEqC1.0, 1.2

SPECIFICATIONS

Tuner	IF input frequency	950 to 2150MHz
	Input impedance	75Ω
	Input level	-65dBm to -25dBm
	LNB power supply	13/18V± 0.5V, Max 500mA,
	Waveform	QPSK
	Symbol rate	2 to 45 MS/s
	Viterbi rate	K=7,R=1/2, 2/3, 3/4, 5/6, 7/8, auto
	Reed Solomon decode	204, 188, T=8

Video decoder	Standard	ISO/IEC 13818-2 MPEG MP@ML
	Video aspect ratio	4:3, 16:9 Pan & Scan, Letter box, Full Screen
	Resolution	720*576(PAL), 720*480(NTSC)
	Video output level	1.0Vp_p, 75 Ohm
Audio decoder	Standard	ISO/IEC 11172 LAYER I&II
	Output mode	Left/Right, Stereo, Mono
	Sampling frequency	32, 44.1, 48KHz
	Audio output	0.775 Vrms, Unbalanced
CPU & memory	CPU	NEC D61110GM
	CPU Speed	160 MHz
	Flash memory	2 MByte
	SDRAM	16 MByte
RS-232 Interface	Connector	DB-9 female
	Protocol	RS-232 asynchrony
	Baud rate	115Kbps
Modulator	Frequency Output	470 to 860MHz
	TV System	PAL/NTSC Auto PAL I,G, K,NTSC
	PLL Channel	Ch.21—69, Adjustable
Front panel	4-digit LED indicator	Channel and status display
	6 buttons	, , , , Menu/Exit, OK, Standby
	Infrared remote receiver	38KHz
Connectors	LNB IF Input	F- type connector
	LNB LOOP THROUGH	F- type connector
	RCA output	4 RCA (left/right audio, video, 0/12V)
	RS-232 serial port	DB-9 Female
	Modulator/ ANT. In	IEC169-2, Female
	Modulator/ TV Out	IEC169-2, Male
	SCART to TV	CVBS/RGB, Left/Right Audio
	SCART TO VCR	CVBS, Left/Right Audio
Remote	Battery	2*1.5V AAA
	Button	35

General	Power supply	AC85 to 265V, 50/60Hz, SMPS
	Power consumption	Max 25W
	Size	280*240*58MM
	Weight	1.60KG
	Operating temperature	0 to 55
	Storage Temperature	-45to 65

DT313 FTA DIGITAL SATELLITE RECEIVER



FEATURES

MPEG-2 Digital and Fully DVB-S Compliant
 SCPC/MCPC Receivable from C/KU band Satellite
 User Friendly DSD Menu with Full Function
 Installation by Easy Setup Guide
 100 Satellites, 6000 Channels and 4000 transponders
 VBI Teletext Supported
 Small Picture in Graphic and Zoom in Function
 8 Favorite Groups and Parent Lock Function
 EPG, including 4days data download and timer
 Supports DISEqC 1.0/1.2/1.3(USALS) and 22KHz Tone
 Software upgrade via Rs232
 256 Color graphic user interface
 Super Fast 800 Pages OSD Teletext supported
 OSD Subtitle Function
 Nine pictures in Display for browse
 High Sensitivity QPSK Tuner and Demodulator
 Multi Timer Function
 Easy Tuning and Network Search
 Game Function
 Multi Language:
 English/Germany/French/Italian/Spanish/Arabic/Turkish/Persian/Russian
 Support 20 Audio PID(Language)

Fast Channel Switching

Update Via SDX (www.satcodx.com)

Two Scarts for TV abd VCR

S-Video output

PLL RF Modulator CH21-69 with PAL I, B/G. D/K and NTSC M 14-83

Multi Picture View (4, 9, 13, 16)

SPECIFICATIONS

Tuner	Input Frequency	950 to 2150MHz
	RF Input Signal Level	-65-25dBm
	LNB power	13/18V DC (+/-5%) 0.5A max. overload protect
	DISEqC	1.0/1.2/1.3 Tone Burst A/B
RF Modulator	Output Channel	PLL CH. 21-69
	IV Standard	NTSC. PAL B/G. I .D/K
Demodulator	Waveform	QPSK
	Symbol Rate	1 to 45M s/s
	FEC	1/2, 2/3, 3/4, 5/6, 7/8
	SCPC and MCPC Capable	
Summary of Connectors	TV SCART	CVBS, Audio L/R
	VCR SCART	CVBS, Audio L/R
	Audio Output	2*RCA(L/R)
	Video Output	1*RCA,CVBS
	0/12V Output	1*RCA
	Serial Part Rs232	9-Pin D-Sub, Male
	RF-Connector	IEC Male to Female
System and Memory	Main Processor	C x 24138, Speed 100MHz
	Flash Memory	2MB
	SDRAM	8MB
Audio Decoder	Audio Channel	Mono, Dual Channel Stereo, Joint Stereo
	Audio mode	MPEG-1/2Audio Layer 1&11
	Sampling Freq	32/44,1/48KHz
Video Decoder	Profile Rate	MPEG-2MP@ML
	Input Rate	Max. 15M bit/s
	Video Format	4.3, 16:9(Letterbox) Pan & Scan
	Video Resolution	720*576(PAL),

		720*480(NTSC)
Power Supply	Input Voltage	AC 100V-240V, 50/60 MHz
	Power Consumption	25W Max
Physical Specification	Operating Temp	0 -40
	Net Weight	2kg
	Dimensions	280*235*56mm

DT260S DIGITAL SATELLITE RECEIVER



FEATURES

Easy Graphic MENU Interface.

RS232C Port for Updating Control Software and Additional Service.

Supports DisEqc1.0/1.2.

1 Scart connectors support RGB/CVBS.

Multi-Language function with menu and Audio.

Last Channel Memory.

OSD Transparency & Blending, 256 Palette Colors.

Editing Functions(Sort, Delete, Edit, Favorite etc).

Over 60 Satellites,4000 Channels.

EPG for On Screen Channel Information.

VBI and Soft Teletext.

Teletext subtitle and DVB Subtitle.

S/PDIF out put for connection with a digital audio amplifier.

Support Multi-Picture display on Screen.

Three mode (Fade in/out, Still Picture, Black Screen mode) for channel change option.

SPECIFICATIONS

Tuner	System Compatible	MPEG-2 Digital & Fully DVB-S Compliant
	QPSK Tuner	ALPS BSBE1
	Symbol Rate	1-45M Sys/S

	Input Frequency	950~2150 MHz
	LNB Power Control	13V/18V,22Khz Tone
	DisEqc	1.0,1.2 Compatible
Descrambling	Descrambling System	Supports 16 key-pairs DVB descrambling as standard
System	CPU	NEC D6110GM
	Memory	8M
	Flash	1M
	NVRAM	24C04
Video Decoder	Standard	MPEG-2 MP@ML standard compliant
	Decompression	Supports MPEG-1 and -2 elementary streams
	Type	PAL/NTSC/SECAM
	Teletext,Subtitle	VBI/Soft Teletext; DVB and Teletext Subtitling
	OSD	Two 256-color OSD Planes
Audio Decoder	Decompression	MPEG-1 and -2,Layer 1/2
	Audio Mode	PCM L+R audio output
UHF Modulator	Output level	65 ~ 75 dB μ V
	Connector	IEC 169-2
	Output	CH21 ~ CH69
	System	PAL B/G, I, K
Serial Data Interface	RS232	9-pin D-SUB Female
	Pin Configuration	Pin 2,3 for Rx and Tx Pin 7,8 for Tx
	Max Transport rate	115200 BPS
Language	Multi-Language	English, Turkish, Arabic, Italian Spanish, Russian, French, Deutsch

DT150S DIGITAL SATELLITE RECEIVER



FEATURES

Low Threshold Digital Tuner, with Loop Through
 MCPC/SCPC all Support (2-45Mb/s)
 Picture in Graphic (PIG)
 DiSEqC 1.0 Version Compatible
 System Upgrading Via RS-232
 Programmable of 1024 Digital channels
 Over 32 satellite/256TP Programmable
 Auto Channel Search & Save Function
 Manual PID Insertion and Scan Function
 Favorite Channel Lists
 Channel List Edit Function
 Quick Channel Zapping <1 Second
 Last Channel Memory
 Parental Lock for Channel & Menu
 PAL/NTSC Auto Selection
 Multi-Language OSD Menu (English, Indonesia)
 Calendar Display Function
 SMPS Power Supply (90-265V, 50/60Hz, 25W Max)

SPECIFICATIONS

Tuner	IF input frequency	950~2150MHz
	Input impedance	75Ω
	Input level	-65dBm ~ -25dBm
	LNB power supply	13/18V± 1V, Max 300mA
	Waveform	QPSK
	Symbol rate	2-45 MS/s
	Viterbi rate	K=7,R=1/2, 2/3, 3/4, 5/6, 7/8, auto
	Reed Solomon decode	204, 188, T=8
Video decoder	Standard	ISO/IEC 13818-2 MPEG MP@ML
	Video aspect ratio	4:3, 16:9
	Resolution	720X576(PAL), 720X480(NTSC)
	Video output level	1.0Vp_p, 75 Ohm
Audio decoder	Standard	ISO/IEC 11172 LAYER I&II
	Output mode	Left/Right, Stereo, Mono
	Sampling frequency	32, 44.1, 48KHz
	Audio output	0.775 Vrms, Unbalanced
CPU & memory	CPU	Hi2011
	CPU Speed	40 MHz
	Flash memory	4M Bits

	SDRAM	4M Byte
RS-232 Interface	Connector	DB-9 male
	Protocol	RS-232 asynchrony
	Baud rate	38.4Kbps
Modulator	Frequency Output	207.7MHz
	TV System	PAL DK
Front panel	4-digit LED indicator	Channel and status display
	7 buttons	, , , , Menu/EXIT,OK, POWER
	Infrared remote receiver	38KHz
Connectors	LNB IF Input	F- type connector
	LNB LOOP THROUGH	F- type connector
	RCA output	3 RCA (left/right audio, Video)
	RS-232 serial port	DB-9 male
	Modulator/ TV OUT	IEC169-2, Male
Remote	Battery	2X1.5V AAA
	Button	35
General	Power supply	AC87~265V, 50/60Hz, SMPS
	Power consumption	Max 25W
	Size	340X270X70MM
	Weight	2.0KG
	Operating temperature	0~55
	Storage Temperature	-45--65

DT122S DIGITAL SATELLITE RECEIVER



MAIN FEATURES

- P-scan (progressive-scanning : y, Pb, Pr output) optional
- SPDIF (digital audio output) optional
- Low threshold digital tuner
- Nine pictures
- Blind scanning

Digital signal indicator
 Programmable of 1024 Digital channels
 Over 32 satellite/256TP Programmable
 Auto Scan & Save Function
 Picture in Graphic (PIG)
 Manual PID Insertion and Scan Function
 Favorite Channel List
 Channel List Edit Function
 Quick Channel Zapping <1 Second
 Last Channel Memory
 Parental Lock for Channel & Menu
 4:3, 16:9 Screen Aspect Selectable
 PAL/NTSC Auto Selection
 Multi-Language OSD Menu (English, Indonesian)
 Game
 SMPS Power Supply (85-265V, 50/60Hz, 25W Max)

SPECIFICATIONS

Tuner	IF input frequency	950 to 2150MHz
	Input impedance	75Ω
	Input level	-65dBm to -25dBm
	LNB power supply	13/18V±0.5V, Max 500mA,
	Waveform	QPSK
	Symbol rate	2-45 MS/s
	Viterbi rate	K=7,R=1/2, 2/3, 3/4, 5/6, 7/8, auto
	Reed Solomon decode	204, 188, T=8
Video decoder	Standard	ISO/IEC 13818-2 MPEG MP@ML
	Video aspect ratio	4:3, 16:9
	Resolution	720X576(PAL), 720X480(NTSC)
	Video output level	1.0Vp_p, 75 Ohm
Audio decoder	Standard	ISO/IEC 11172 LAYER I&II
	Output mode	Left/Right, Stereo, Mono
	Sampling frequency	32, 44.1, 48KHz
	Audio output	0.775 Vrms, Unbalanced
CPU & memory	CPU	CT212
	CPU Speed	50 MHz
	Flash memory	4M Bits
	SDRAM	4M Byte
RS-232 Interface	Connector	DB-9 female
	Protocol	RS-232 asynchrony

	Baud rate	115Kbps
Modulator	Frequency Output	207.7MHz(Optional)
	TV System	PALB/G
Front panel	4-digit LED indicator	Channel and status display
	7 buttons	, , , , Menu/EXIT,OK, POWER
	Infrared remote receiver	38KHz
Connectors	LNB IF Input	F- type connector
	LNB LOOP THROUGH	F- type connector
	RCA output	6 RCA (left/right audio, Video,Y,Pb,Pr)
	RS-232 serial port	DB-9 Female
	Modulator/ TV OUT	IEC169-2, Male
	SCART to TV	RGB,CVBS, Left/Right Audio
Remote	Battery	2X1.5V AAA
	Button	35
General	Power supply	AC87 to 265V, 50/60Hz, SMPS
	Power consumption	Max 25W
	Size	340*270*70MM
	Weight	2.0KG

DT320S DIGITAL SATELLITE RECEIVER



MAIN FEATURES

USALS

Easy Graphic MENU Interface

Multi-language Menu

OSD: Transparency & Blending, 256 Palette Colors

7 Front Panel Buttons & IR Remote Controller User Interface

Multi-audio

Editing Functions (TV or Radio Channel, Channel Name, PID, Satellite Name)

EPG for On Screen Channel Information

Channels Memory for Multi-satellite

Picture ZOOM and PAUSE

10 TIMERS

Multi-Transponder & Multi-Satellite Scan

Supports DiSEqC1.0/DiSEqC 1.2, 13/18V, 0/22KHz Tone

1-SCART (TV) Connectors & 3-RCA (CVBS,L,R)

Digital Tuner with Loop-through

SCPC/MCPC Receivable from C/KU-band Satellite

Wide Symbol Rate 2~45 Mbps & 950~2150 MHz input Frequency

RS232C Port for Updating Control Software and Additional Service

SPECIFICATIONS

Tuner & Channel	LNB IF input	1 x F-type, IEC169-24 Female
	LNB IF loop through output	1 x F-type, IEC169-24 Female
	Frequency Range	950MHz to2150MHz
	Input Impedance	75 ohms
	Signal Level	-25 ~ -65dBm
	LNB Power	13.5/18.5Vdct5%, 0.5A max, Overload protected
	22kHz Tons	Frequency: 22kHz \pm 2kHz, 6V \pm 0.2V
	DiSEqC Control	Version1.2 Compatible
	Demodulation	QPSK
	Input Symbol Rate	2-45Ms/s SCPC/MCPC
	FEC Decoder	Convolution Code Rate 1/2, 2/3, 3/4. 5/6 and 7/8 with Constraint Length K=7
System & Memory	Main Processor	STi5518
	Flash Memory	2 Mbytes
	SDRAM	8 Mbytes
	Channel Memory	Digital Channel; 5000
	Multi-Satellite	Up to 64
	Front	7keys, 4bits-LED
	Remote Controller	31 Keys, IR Remote Control
	Transport Stream	MPEG-2 ISO/IEC 13818 Transport Stream Specification
	Profile Level Input	MPEG-2 MP@ML

MPEG Transport Stream & A/V Decoding	Rate	Max60Mbit/s
	Aspect Ratio	4:3, 16:9
	Frame Rate	25Hz for PAL, 30Hz for NTSC
	Video Resolution	720*576(PAL), 720*480(NTSC)
	Teletext	Through VBI&OSD
	Audio Decoding	MPEG-I, II Layer I & II, MP3
	Audio Mode	Single channel/Dual channel Joint Stereo/Stereo
	Frequency Response	20Hz-20KHz, < +/- -2dB 60Hz-18kHz< +/- -0.5dB
	Sampling Rate	32,44.1,48kHz
A/V& Data In/Out	RCA Output	CVBS (Yellow), L, R Output (White, Red) with Volume Control
	Data Interface	RS-232, Bit Rate: 115200baud Connector: 9-Pin D-Sub Male Pin2: receive; Pin3: Transmit; Pin5: GND
Power Supply	Input Voltage	AC 90-260V, 50Hz~60Hz
	Power Consumption	Max.40W
	Stand-by Power	< = 7W
	Protection	Separate Internal Fuse for lightning protection

DT321S DIGITAL SATELLITE RECEIVER



MAIN FEATURES

USALS

Easy Graphic MENU Interface

Multi-language Menu

OSD: Transparency & Blending, 256 Palette Colors

7 Front Panel Buttons & IR Remote Controller User Interface

Multi-audio
Editing Functions (TV or Radio Channel, Channel Name, PID, Satellite Name)
EPG for On Screen Channel Information
Channels Memory for Multi-satellite
Picture ZOOM and PAUSE
10 TIMERS
Multi-Transponder & Multi-Satellite Scan
Supports DiSEqC1.0/DiSEqC 1.2, 13/18V, 0/22KHz Tone
1-SCART (TV) Connectors & 3-RCA (CVBS,L,R)
Digital Tuner with Loop-through
SCPC/MCPC Receivable from C/KU-band Satellite
Wide Symbol Rate 2~45 Mbps & 950~2150 MHz input Frequency
RS232C Port for Updating Control Software and Additional Service

SPECIFICATIONS

LNB IF input	1 x F-type, IEC169-24 Female
LNB IF loop through output	1 x F-type, IEC169-24 Female
Frequency Range	950MHz to2150MHz
Input Impedance	75 ohms
Signal Level	-25 ~ -65dBm
LNB Power	13.5/18.5Vdct5%, 0.5A max, Overload protected
22kHz Tons	Frequency: 22kHz \pm 2kHz, 6V \pm 0.2V
DiSEqC Control	Version1.2 Compatible
Demodulation	QPSK
Input Symbol Rate	2-45Ms/s SCPC/MCPC
FEC Decoder	Convolution Code Rate 1/2, 2/3, 3/4, 5/6 and 7/8 with Constraint Length K=7
Main Processor	STi5518
Flash Memory	2 Mbytes
SDRAM	8 Mbytes
Channel Memory	Digital Channel; 5000
Multi-Satellite	Up to 64
Front	7keys, 4bits-LED
Remote Controller	31 Keys, IR Remote Control
Transport Stream	MPEG-2 ISO/IEC 13818 Transport Stream Specification
Profile Level Input	MPEG-2 MP@ML

Rate	Max60Mbit/s
Aspect Ratio	4:3, 16:9
Frame Rate	25Hz for PAL, 30Hz for NTSC
Video Resolution	720*576(PAL), 720*480(NTSC)
Teletext	Through VBI&OSD
Audio Decoding	MPEG-I, II Layer I & II, MP3
Audio Mode	Single channel/Dual channel Joint Stereo/Stereo
Frequency Response	20Hz-20KHz, < +/- -2dB 60Hz-18kHz< +/- -0.5dB
Sampling Rate	32,44.1,48kHz
RCA Output	CVBS (Yellow), L, R Output (White, Red) with Volume Control
Data Interface	RS-232, Bit Rate: 115200baud Connector: 9-Pin D-Sub Male Pin2: receive; Pin3: Transmit; Pin5: GND
Input Voltage	AC 90-260V, 50Hz~60Hz

DT127S DIGITAL SATELLITE RECEIVER



MAIN FEATURES

- P-scan (progressive-scanning : y, Pb, Pr output) optional
- SPDIF (digital audio output) optional
- Low threshold digital tuner
- Nine pictures
- Blind scanning
- Digital signal indicator
- Programmable of 1024 Digital channels
- Over 32 satellite/256TP Programmable
- Auto Scan & Save Function
- Picture in Graphic (PIG)
- Manual PID Insertion and Scan Function
- Favorite Channel List
- Channel List Edit Function

Quick Channel Zapping <1 Second
 Last Channel Memory
 Parental Lock for Channel & Menu
 4:3, 16:9 Screen Aspect Selectable
 PAL/NTSC Auto Selection
 Multi-Language OSD Menu (English, Indonesian)
 Game
 SMPS Power Supply (85-265V, 50/60Hz, 25W Max)

SPECIFICATIONS

Tuner	IF input frequency	950 to 2150MHz
	Input impedance	75Ω
	Input level	-65dBm to -25dBm
	LNB power supply	13/18V±0.5V, Max 500mA,
	Waveform	QPSK
	Symbol rate	2-45 MS/s
	Viterbi rate	K=7,R=1/2, 2/3, 3/4, 5/6, 7/8, auto
	Reed Solomon decode	204, 188, T=8
Video decoder	Standard	ISO/IEC 13818-2 MPEG MP@ML
	Video aspect ratio	4:3, 16:9
	Resolution	720X576(PAL), 720X480(NTSC)
	Video output level	1.0Vp_p, 75 Ohm
Audio decoder	Standard	ISO/IEC 11172 LAYER I&II
	Output mode	Left/Right, Stereo, Mono
	Sampling frequency	32, 44.1, 48KHz
	Audio output	0.775 Vrms, Unbalanced
CPU & memory	CPU	CT212
	CPU Speed	50 MHz
	Flash memory	4M Bits
	SDRAM	4M Byte
RS-232 Interface	Connector	DB-9 female
	Protocol	RS-232 asynchrony
	Baud rate	115Kbps
Modulator	Frequency Output	207.7MHz(Optional)
	TV System	PALB/G
Front panel	4-digit LED indicator	Channel and status display
	7 buttons	, , , , Menu/EXIT,OK, POWER
	Infrared remote receiver	38KHz

Connectors	LNB IF Input	F- type connector
	LNB LOOP THROUGH	F- type connector
	RCA output	6 RCA (left/right audio, Video,Y,Pb,Pr)
	RS-232 serial port	DB-9 Female
	Modulator/ TV OUT	IEC169-2, Male
	SCART to TV	RGB,CVBS, Left/Right Audio
Remote	Battery	2X1.5V AAA
	Button	35
General	Power supply	AC87 to 265V, 50/60Hz, SMPS
	Power consumption	Max 25W
	Size	340*270*70MM
	Weight	2.0KG

DT124S FTA Digital Satellite Receiver



MAIN FEATURES

- Low Threshold Digital Tuner, with Loop Through
- MCPC/SCPC all Support (2-45Mb/s)
- Picture in Graphic (PIG)
- Supports DisEqc1.0/1.2
- Support Universal LNB and LNBF
- 1 Scart Connectors Support RGB/CVBS.
- System Upgrading Via RS-232
- Programmable of 4000 Digital channels
- Over 64 satellite/120TP Programmable
- Auto Channel Search, NIT Ssearch & Save Function
- Manual PID Insertion and Scan Function
- Favorite Channel Lists
- Channel List Edit Function
- Quick Channel Zapping <1 Second
- Last Channel Memory
- Weekly EPG
- Subtitle supported
- Parental Lock for Channel & Menu

4:3, 16:9 Screen Aspect Selectable
 PAL/NTSC Auto Selection
 Multi-Language OSD Menu (English, French, Spanish, Italian,
 Arabic, Russian)
 Support Multi-Picture Display on Screen.
 Support Calendar Display
 SMPS Power Supply (85-265V, 50/60Hz, 25W Max)
 Game

SPECIFICATIONS

Tuner	IF input frequency	950 to 2150MHz
	Input impedance	75Ω
	Input level	-65dBm to -25dBm
	LNB power supply	13/18V±0.5V, Max 500mA,
	Waveform	QPSK
	Symbol rate	2 to 45 MS/s
	Viterbi rate	K=7,R=1/2, 2/3, 3/4, 5/6, 7/8, auto
	Reed Solomon decode	204, 188, T=8
Video decoder	Standard	ISO/IEC 13818-2 MPEG MP@ML
	Video aspect ratio	4:3, 16:9
	Resolution	720*576(PAL), 720*480(NTSC)
	Video output level	1.0Vp_p, 75 Ohm
Audio decoder	Standard	ISO/IEC 11172 LAYER I&II
	Output mode	Left/Right, Stereo, Mono
	Sampling frequency	32, 44.1, 48KHz
	Audio output	0.775 Vrms, Unbalanced
CPU & memory	CPU	CT212
	CPU Speed	50 MHz(MAX)
	Flash memory	1M Byte
	SDRAM	8M Byte

RS-232 Interface	Connector	DB-9 Male
	Protocol	RS-232 asynchrony
	Baud rate	115.2Kbps
Modulator	Frequency Output	470 to 860MHz
	TV System	PAL/NTSC Auto
	PLL Channel	Ch.21—69, Adjustable
Front panel	4-digit LED indicator	Channel and status display(optional)
	7 buttons	, , , , Menu/ Exit, OK, Standby
	Infrared remote receiver	38KHz
Connectors	LNB IF Input	F- type connector
	LNB LOOP THROUGH	F- type connector
	RCA output	4 RCA (left/right audio, video)
	RS-232 serial port	DB-9 Male
	Modulator/ ANT. In	IEC169-2, Female
	Modulator/ TV Out	IEC169-2, Male
	SCART to TV	RGB,CVBS, Left/Right Audio
Remote	Battery	2X1.5V AAA
	Button	35
General	Power supply	AC85 to 265V, 50/60Hz, SMPS
	Power consumption	Max 25W
	Size	260*195*40MM
	Weight	1.60KG
	Operating temperature	0 to 55
	Storage Temperature	-45 to 65

DT314S DIGITAL SATELLITE RECEIVER



MAIN FEATURES

- Over 4900 channel memory capacity for over 64 pre-programmed satellites
- 4 separate Favourite lists for TV and Radio programs
- Games (Tetris, Socoban & Snake)
- Multi lingual support on screen Menu
- Easy to use 256 colors graphic menu with PIG (Picture In Graphic), adjustable colours, transparency and brightness
- Full Electronic Program Guide for on screen program information
- Automatic channel scan options
- Edit functions for TV or Radio program name, Favourite Group name, PID and Transponder information
- Power on function with last viewed or user defined channel
- Software update and Program list edit functions via PC with RS 232 connector
- Parental lock functions selectable per channel
- Teletext via TV (VBI)
- Full DVB subtitling support
- Advanced timer and calendar functions
- Full menu access by Remote Control Unit or by 7 front panel buttons
- User friendly Remote Control Unit with 4 colored function buttons
- Front Panel LED display
- DiSEqC 1.0, 1.2

SPECIFICATIONS

	Demodulation	QPSK
	Input Symbol Rate	2 to 45 Ms/s
Demodulator	SCPC and MCPC signals	from C/KU band satellites
	SCPC and MCPC	signals from C/ KU band satellites
Video decoder	Profile Rate	MPEG-2 Main Profile @ Main Level
	Input Rate Max	60Mbit/s
	Video Resolution	720 x 576 (PAL), 720 x 480 (NTSC)

	Video output level	1.0Vp_p, 75 Ohm
Audio decoder	Audio Decoding	MPEG/MusiCam layer I & II, MP3, AC 3
	Audio Mode	Stereo, Dual channel, Joint stereo, Mono
	Input Frequency Range	950MHz to 2150MHz
Tuner	RF input Signal Level	-25 to -65 dBm
	LNB Power	13.5 / 18.5Vdc (+/- 5%), 500 mA Max
	Overload	Protected
	DiSEqC Version	1.0 and 1.2
CI slot: (only for CI model)	2 Slots type	I / II PCMCIA
	Standard DVB Common Interface compliantBaud rate	(Compatible Viaccess, Nagravision, Seca, Irdeto, Cryptoworks, Betacrypt, Conax , etc.)115Kbps
RF Modulator	Output channels	PLL CH 21 - 69
	TV Standard	NTSC, PAL G/I/K
Remote Control	Number of Keys	31 Keys
	Batteries 2 Size	AAA
Summary of connectors	LNB IF	input 1 Female F Type, IEC169-24
	LNB IF loop through output	1 Female F Type, IEC169-24
	Scart connectors	TV Scart: RGB, CVBS, Audio L&R output with Volume Control. VCR Scart: CVBS, Audio L&R output. RGB, CVBS, Audio L&R in
	RCA Jack	CVBS Out, Audio L&R Outputs, 0/12V DC 150mA Out
	Serial Port	RS-232
	Connector	9-pin D-sub type
	RF Connector	75W
System and Memory	IEC169-2	Male/Female
	Main Processor	Sti5518
	Flash Memory	2 Mbytes
	SDRAM	8 Mbytes
General Data	EEPROM	64 Kbits
	Operating Temperature	00 C to 400 C
	Storage Temperature	-10 to +50

Input Voltage Range	90 VAC to 240 VAC (SMPS)
Power Consumption	Max 40W
Weight	2 Kg
Size (W*H*D)	280mm* 60mm* 250mm

DT316S DIGITAL SATELLITE RECEIVER



Main Features

<Common Part>

Embedded two CI (Support Viaccess/ Irdeto/ Nagravision/ Crypto Works/ alphaCrypt/ Aston Crypt and more...)

<Digital Part>

Over 4900 channel memory capacity for over 64 pre-programmed satellites

4 separate Favourite lists for TV and Radio programs

Games (Tetris, Socoban & Snake)

Multi lingual support on screen Menu

Easy to use 256 colors graphic menu with PIG (Picture In Graphic)

Full Electronic Program Guide for on screen program information

Automatic channel scan options

Edit functions for TV or Radio program name, Favourite Group name, PID and Transponder information

Power on function with last viewed or user defined channel

Software update and Program list edit functions via PC with RS 232 connector

Parental lock functions selectable per channel

Teletext via TV (VBI)

Full DVB subtitling support

Advanced timer and calendar functions

Full menu access by Remote Control Unit or by 7 front panel buttons

User friendly Remote Control Unit with 4 colored function buttons

Front Panel LED display

DiSEqC 1.0, 1.2

SPECIFICATIONS

Demodulator	Demodulation	QPSK
	Input Symbol Rate	2 to 45 Ms/s
	SCPC and MCPC signals	from C/KU band satellites

	SCPC and MCPC	signals from C/ KU band satellites
Video decoder	Profile Rate	MPEG-2 Main Profile @ Main Level
	Input Rate Max	60Mbit/s
	Video Resolution	720 x 576 (PAL), 720 x 480 (NTSC)
	Video output level	1.0Vp_p, 75 Ohm
Audio decoder	Audio Decoding	MPEG/MusiCam layer I & II, MP3, AC 3
	Audio Mode	Stereo, Dual channel, Joint stereo, Mono
Tuner	Input Frequency Range	950MHz to 2150MHz
	RF input Signal Level	-25 to -65 dBm
	LNB Power	13.5 / 18.5Vdc (+/- 5%), 500 mA Max
	Overload	Protected
CI slot: (only for CI model)	DiSEqC Version	1.0 and 1.2
	2 Slots type	I / II PCMCIA
	Standard DVB Common Interface compliantBaud rate	(Compatible Viaccess, Nagravision, Seca, Irdeto, Cryptoworks, Betacrypt, Conax , etc.)115Kbps
RF Modulator	Output channels	PLL CH 21 - 69
	TV Standard	NTSC, PAL G/I/K
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