

Product Pictures:

Model No.: ZBT-650N



General Features

GENERAL	Standards
ISDB-T Compliant (MPEG-II/ MPEG-IV/ H.254)	S
Sensitive Tuner with Loop-Through	S
PAL-M / PAL-N / NTSC	S
Variable aspect ratio (4:3, 16:9)with PAN&SCAN vector or letter BOX option	S
Output Resolution: 480p&480i, 576p & 576i, 720&1080i 50hz, 720p&1080i 60Hz	S
True full Color (32 bits) on screen display (OSD)	S
Storing memory: 25 contries frequency, 750 channels	S
4 favorite group and parental lock supported	S
Supported programme lock, delete, move, rename, skip	S
Supported multi-language menu (english, czech, danish, french, german, italian, portuguese, spanish, swedish)	S
Multi-language audio	S
Multi-language Subtitle output	S
7 days Eletronic Program Guide (EPG)	S
OSD Teletext	S
USB software upgrade	S
USB 2.0 Interface	S
Timer:	S
Supported 30 timers	S
Supported record timer event	S
Supported customized sleep time	S
Supported customized time to jump the designated program	S
USB:(FAT, FAT32 and NTFS)	S
Rename, delete, PVR files	S
S/W download	S
Supported music files: mp3, aac, wma, wav	S
Music player: Supported Pause, FF, Fb, Jump	S
Supported movies files: 3gp, avi , dat, div, divx, m2t1, m2ts, mkv, mov, mp4, mpa, mpe, mpeg, mpg, tp, trp, ts, vob	S
Media player: Supported video loop and FF/FB and Pause, Resume, Jump, Zoom	S
Supported subtitle file (.srt, and .sub)	S
Supported picture files: bmp, png, jpg, jpeg, jpe	S



High Definition Solution

Picture player: Supported rotate, zoom functions and various slides effects	S
Record and playback stream files: Recording current FTA channel	S

Specifications:

ISDB-T FONT END	Standards
Input Frequency: 93+1/7MHz-767+1/7MHz	S
Input Level: -75~ +5dBm	S
Input Impedance: 75 Ω	S
Supported Antenna Power: 5V 300mA	S
Demodulation: 16QAM, 64QAM, QPSK	S
FEC: 1/2, 2/3, 3/4, 5/6, 7/8, Automatic	S
ISDB Standard: ISDB-T	S

VIDEO	Standards
Standard: ISO/IEC 13818-2	S
MPEG1, MPEG-2 MP@ML, H.264, VC1, DV, DivX and MPEG4	S
Aspect Ratio: 4:3, 16:9	S
Video Full Resolution: 1920 x 1080i and 1280 x 720p for HD video, 720 x 480p, 720 x 480i, 720 x 576i and 720 x 576p for SD video, dual MPEG-1, MPEG-2 and MPEG-4 decode for SD resolution, MPEG4 AVC /H.264 and VC1 decode for dual SD and single HD up to 720p and 1080i	S
Video Format: PAL-M, PAL-N, NTSC	S
HDMI output with upscale supporting up to 480p&480i, 576p&576i, 720p&1080i 50Hz, 720p&1080i 60Hz, 1080p 30Hz	S
Host supplied audio/Video: I & P frame support	S
Format conversion: Pan & Scan, Letterbox	S
Video planes: 6 panes (2 graphic, planes, 2 display planes, background, cursor)	S

AUDIO	Standards
Standard: ISO/IEC 13818-3	
Decoding: MPEG-2 layer I and II (Musicam), MPEG-4 AAC and MPEG-4 AAC-HE (AAC+),	S
Dolby Digital (AC-3) with bit rates up to 640 Kbits/s, LPCM up to 48 KHz, MP3	S
Sampling Frequency: 32, 44.1, 48KHz	S
Audio Output Impedance: Low	S
Output Mode: Modo, Dual-channel, Stereo, Left and Right	S

AV OUTPUT	Standards
Video De-emphasis: CCIR REC.405-1, 625 lines	S
Video Bandwidth: 5.5MHz	S
Video Output Impedance: 75 Ω	S
Video Output Level: 1.0Vp-p	S
Audio Output Frequency: 20Hz~20KHz	S



High Definition Solution

PROCESSADOR	Standards
Chipset: MSTAR MSD7828	S
Flash Memory: 4 Mbyte	S
DDRII Memory: 512*2MByte	S
Tuner: DIB8096GP	S

FRONT PANEL	Standards
IR Receiver: 38KHz	S
Logo	S
Model	S
Display 4 Digit, 7 segment (Clock in standby mode) LED ou N/C	S
USB port	S

REAR PANEL	Standards
ISDB-T Antenna input and output F-connector	S
Baseband video: CVBS (RCA)	S
Stereo Audio: Variable volume (2 x RCA, i.e. 1 Left & 1 Right)	S
Components output: YPbPr	S
HDMI output	S
S/PDIF(Optical)	S

OTHER	Standards
Power Supply: Adaptor, Input AC 100~240V, 50/60Hz; Output DC 12V, Current 1.5A; European plug	S
Power Consumption: Max. 20W	S
Ambient Operation Temperature: 0~40° C	S
Product size: 178*118*35mm, gif box size: 240*190*63mm	S
Packing, 20pcs/carton, Carton size: 505*350*415mm	S
CE, FCC, EuP LPC	S

ACCESSORIES	Standards
RCU Category: IR (Carrier 38KHz)	S
RCU batteries	S
HDMI cable 1.5m	S
Manual (English, Portuges, Spanish)	S

S: Standard features
 R: Customer requirement
 NO: Not required
 N/A: Not available