

# ECLASS 8106

## Digital Satellite HD Receiver

### Description

Incorporating the highly integrated single chip, **ECLASS 8106** is a high performance digital satellite HD receiver supporting H.264 and MPEG4. ECLASS 8106 provides FTA (Free-To-Air) channels with user-friendly OSD (On Screen Display) and stores up to 5000 channels With fast inter-channel switching capability, which undoubtedly makes it an ideal choice for viewers like you to enjoy the digital life. High performance digital audio is also available through S/PDIF.

### Features

<ul style="list-style-type: none"> <li>≥ 7 days Electronic Program Guide (EPG)</li> <li>≥ Common Interface slot ready (Single CI)</li> <li>≥ Teletext output through VBI and OSD</li> <li>≥ NIT search supported</li>   <li>≥ Channel search in automatic, manual and network search</li>   <li>≥ Software upgrade via RS-232 serial port and USB 2.0 interface</li> <li>≥ Timer function supported</li> <li>≥ <b>USB 2.0 interface supported</b></li> </ul>	<ul style="list-style-type: none"> <li>≥ Fully DVB-S2/H.264 &amp; <b>MPEG-4</b> compliant</li> <li>≥ 32Bit <b>CPU : STi 7111</b></li> <li>≥ <b>8M Flash</b> &amp; 256MB DDR2-RAM(PIP Solution)</li> <li>≥ 8M Flash &amp; 128MB DDR2-RAM(Normal Solution)</li> <li>≥ 5000 channels memory space</li> <li>≥ <b>Compatible with 480/576i/576p/720p/1080i video formats</b> (1080P will be ready in future)</li> <li>≥ Aspect ratio 16:9 and 4:3</li> <li>≥ 32Bit colors on screen display (OSD) supported</li> <li>≥ <b>AV Output : HDMI, YPbPr, RCA, S/P DIF</b></li> <li>≥ Multi-language Subtitle output supported</li> </ul>
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### Specification

<p><b>AUDIO DECODING</b> Standard: ISO/IEC 13818-3 Output Mode: Mono, Dual-channel, Stereo Sampling Frequency :32, 44.1, 48KHz Decoding: MPEG-1 &amp; MPEG-2 layer I and II Audio Output Impedance: Low</p> <p><b>AV OUTPUT</b> Video De-emphasis: CCIR REC.405-1, 625LINES Video Bandwidth: 5.5MHz Video Output Impedance: 75Ω Video Output Level: 1.0Vp-p Audio Output Frequency: 20Hz~ 20KHz</p> <p><b>FRONT PANEL</b> IR Receiver: 38KHz</p> <p><b>REAR PANEL</b> RF/LNB Input: F-type, connector Loop Through Output: F-type, connector RS232 Serial Port: DB-9 Male, 11.52Kbps HDMI Digital Audio Output: S/P DIF Optical USB 2.0 Interface RCA Output: 7RCA(1 Left Audio, 1 Right Audio, 1 Video, 1 Digital Audio, Y, Pb, Pr)</p> <p><b>RCU</b> Category: IR(Carrier 38KHz) Battery: 2x1.5V</p> <p><b>POWER</b> Input Voltage: AC100~240V, 50/60Hz Power Consumption: 30W max</p> <p><b>AMBIENT</b> Operation Temperature: 0~40°C Size: 291.5mm(W) x 220mm(D) x 54mm(H) Net Weight: 1.4Kg</p>	<p><b>TUNER DVB-S2</b> Input Frequency: 950~2150MHz Loop Out Frequency: 950~2150MHz Input Level: -65~-25dBm Input Impedance: 75Ω LNB Power :13,5V/18,5V/OFF, I<sub>max</sub> = 500mA DiSEqC: 1.0 &amp; 1.2, USALS</p> <p><b>CHANNEL DECODING</b> Standard :DVB-S2 Demodulation: QPSK 8PSK Reed-Solomon: 204, 188, t = 8 Roll Off Factor:0.35 FEC :1/2, 2/3, 3/4, 5/6, 7/8, Automatic Symbol Rate: DVB-S 2~45 MS/s DVB-S2 10~30 MS/s</p> <p><b>DEMULTIPLEXER</b> Standard: ISO/IEC 13818-1 Input Max. Bit Stream Rate: 120Mbps(Serial)/15MBps(Parallel)</p> <p><b>VIDEO DECODING</b> Standard: ISO/IEC 13818-2, MPEG-2 MP@ML, MPEG-4 AVC/H.264 HP@L4 Aspect Ratio: 4:3, 16:9 Video Resolution:1920×1080i,1280×720P,720×576 (PAL), 720×480 (NTSC)</p> <p><b>MEMORY</b> <b>Flash Memory: 8MB</b> <b>DDR2 RAM Memory: 265MB</b> (128*2 MB) (PIP Solution) DDR2-RAM Memory:128MB (64*2 MB) (Normal Solution)</p>
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